Device Selection Guide

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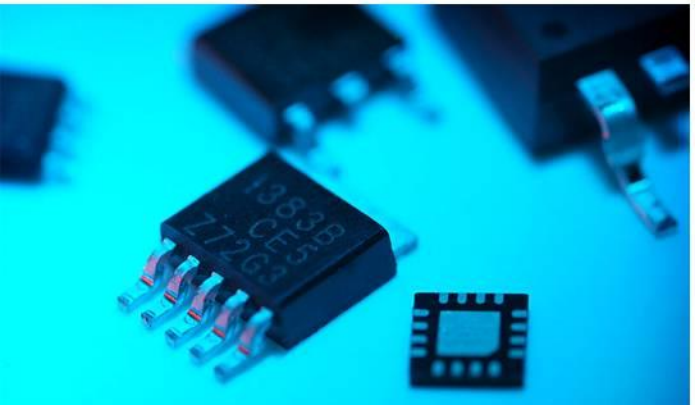

2024 Q2

ver. 01

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06JA00AGSMB	Unidirectional	SMB	600	100	1	162
AICM06JA00BGSMB	Bidirectional	SMB	600	100	1	162
AICM06J100AGSMB	Unidirectional	SMB	600	10	1	17
AICM06J100BGSMB	Bidirectional	SMB	600	10	1	17
AICM06JA10AGSMB	Unidirectional	SMB	600	110	1	177
AICM06JA10BGSMB	Bidirectional	SMB	600	110	1	177
AICM06J110AGSMB	Unidirectional	SMB	600	11	1	18.2
AICM06J110BGSMB	Bidirectional	SMB	600	11	1	18.2
AICM06JA20AGSMB	Unidirectional	SMB	600	120	1	193
AICM06JA20BGSMB	Bidirectional	SMB	600	120	1	193
AICM06J120AGSMB	Unidirectional	SMB	600	12	1	19.9
AICM06J120BGSMB	Bidirectional	SMB	600	12	1	19.9
AICM06JA30AGSMB	Unidirectional	SMB	600	130	1	209
AICM06JA30BGSMB	Bidirectional	SMB	600	130	1	209
AICM06J130AGSMB	Unidirectional	SMB	600	13	1	21.5
AICM06J130BGSMB	Bidirectional	SMB	600	13	1	21.5
AICM06J140AGSMB	Unidirectional	SMB	600	14	1	23.2
AICM06J140BGSMB	Bidirectional	SMB	600	14	1	23.2
AICM06JA50AGSMB	Unidirectional	SMB	600	150	1	243
AICM06JA50BGSMB	Bidirectional	SMB	600	150	1	243

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06J150AGSMB	Unidirectional	SMB	600	15	1	24.4
AICM06J150BGSMB	Bidirectional	SMB	600	15	1	24.4
AICM06JA60AGSMB	Unidirectional	SMB	600	160	1	259
AICM06JA60BGSMB	Bidirectional	SMB	600	160	1	259
AICM06J160AGSMB	Unidirectional	SMB	600	16	1	26
AICM06J160BGSMB	Bidirectional	SMB	600	16	1	26
AICM06JA70AGSMB	Unidirectional	SMB	600	170	1	275
AICM06JA70BGSMB	Bidirectional	SMB	600	170	1	275
AICM06J170AGSMB	Unidirectional	SMB	600	17	1	27.6
AICM06J170BGSMB	Bidirectional	SMB	600	17	1	27.6
AICM06J180AGSMB	Unidirectional	SMB	600	18	1	29.2
AICM06J180BGSMB	Bidirectional	SMB	600	18	1	29.2
AICM06J200AGSMB	Unidirectional	SMB	600	20	1	32.4
AICM06J200BGSMB	Bidirectional	SMB	600	20	1	32.4
AICM06J220AGSMB	Unidirectional	SMB	600	22	1	35.5
AICM06J220BGSMB	Bidirectional	SMB	600	22	1	35.5
AICM06J240AGSMB	Unidirectional	SMB	600	24	1	38.9
AICM06J240BGSMB	Bidirectional	SMB	600	24	1	38.9
AICM06J260AGSMB	Unidirectional	SMB	600	26	1	42.1
AICM06J260BGSMB	Bidirectional	SMB	600	26	1	42.1

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06J280AGSMB	Unidirectional	SMB	600	28	1	45.4
AICM06J280BGSMB	Bidirectional	SMB	600	28	1	45.4
AICM06J300AGSMB	Unidirectional	SMB	600	30	1	48.4
AICM06J300BGSMB	Bidirectional	SMB	600	30	1	48.4
AICM06J330AGSMB	Unidirectional	SMB	600	33	1	53.3
AICM06J330BGSMB	Bidirectional	SMB	600	33	1	53.3
AICM06J360AGSMB	Unidirectional	SMB	600	36	1	58.1
AICM06J360BGSMB	Bidirectional	SMB	600	36	1	58.1
AICM06J400AGSMB	Unidirectional	SMB	600	40	1	64.5
AICM06J400BGSMB	Bidirectional	SMB	600	40	1	64.5
AICM06J430AGSMB	Unidirectional	SMB	600	43	1	69.4
AICM06J430BGSMB	Bidirectional	SMB	600	43	1	69.4
AICM06J450AGSMB	Unidirectional	SMB	600	45	1	72.7
AICM06J450BGSMB	Bidirectional	SMB	600	45	1	72.7
AICM06J480AGSMB	Unidirectional	SMB	600	48	1	77.4
AICM06J480BGSMB	Bidirectional	SMB	600	48	1	77.4
AICM06J510AGSMB	Unidirectional	SMB	600	51	1	82.4
AICM06J510BGSMB	Bidirectional	SMB	600	51	1	82.4
AICM06J540AGSMB	Unidirectional	SMB	600	54	1	87.1
AICM06J540BGSMB	Bidirectional	SMB	600	54	1	87.1

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06J580AGSMB	Unidirectional	SMB	600	58	1	93.6
AICM06J580BGSMB	Bidirectional	SMB	600	58	1	93.6
AICM06J060AGSMB	Unidirectional	SMB	600	6	800	10.3
AICM06J060BGSMB	Bidirectional	SMB	600	6	800	10.3
AICM06J065AGSMB	Unidirectional	SMB	600	6.5	500	11.2
AICM06J065BGSMB	Bidirectional	SMB	600	6.5	500	11.2
AICM06J600AGSMB	Unidirectional	SMB	600	60	1	96.8
AICM06J600BGSMB	Bidirectional	SMB	600	60	1	96.8
AICM06J640AGSMB	Unidirectional	SMB	600	64	1	103
AICM06J640BGSMB	Bidirectional	SMB	600	64	1	103
AICM06J070AGSMB	Unidirectional	SMB	600	7	200	12
AICM06J070BGSMB	Bidirectional	SMB	600	7	200	12
AICM06J075AGSMB	Unidirectional	SMB	600	7.5	100	12.9
AICM06J075BGSMB	Bidirectional	SMB	600	7.5	100	12.9
AICM06J700AGSMB	Unidirectional	SMB	600	70	1	113
AICM06J700BGSMB	Bidirectional	SMB	600	70	1	113
AICM06J750AGSMB	Unidirectional	SMB	600	75	1	121
AICM06J750BGSMB	Bidirectional	SMB	600	75	1	121
AICM06J780AGSMB	Unidirectional	SMB	600	78	1	126
AICM06J780BGSMB	Bidirectional	SMB	600	78	1	126

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06J080AGSMB	Unidirectional	SMB	600	8	50	13.6
AICM06J080BGSMB	Bidirectional	SMB	600	8	50	13.6
AICM06J085AGSMB	Unidirectional	SMB	600	8.5	10	14.1
AICM06J085BGSMB	Bidirectional	SMB	600	8.5	10	14.1
AICM06J850AGSMB	Unidirectional	SMB	600	85	1	137
AICM06J850BGSMB	Bidirectional	SMB	600	85	1	137
AICM06J090AGSMB	Unidirectional	SMB	600	9	5	15.4
AICM06J090BGSMB	Bidirectional	SMB	600	9	5	15.4
AICM06J900AGSMB	Unidirectional	SMB	600	90	1	146
AICM06J900BGSMB	Bidirectional	SMB	600	90	1	146
AICM06JA80AGSMB	Unidirectional	SMB	600	180	1	292
AICM06JA80BGSMB	Bidirectional	SMB	600	180	1	292
AICM06JB00AGSMB	Unidirectional	SMB	600	200	1	324
AICM06JB00BGSMB	Bidirectional	SMB	600	200	1	324
AICM06JB20AGSMB	Unidirectional	SMB	600	220	1	356
AICM06JB20BGSMB	Bidirectional	SMB	600	220	1	356
AICM06JB50AGSMB	Unidirectional	SMB	600	250	1	405
AICM06JB50BGSMB	Bidirectional	SMB	600	250	1	405
AICM06JC00AGSMB	Unidirectional	SMB	600	300	1	486
AICM06JC00BGSMB	Bidirectional	SMB	600	300	1	486

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06JC50AGSMB	Unidirectional	SMB	600	350	1	567
AICM06JC50BGSMB	Bidirectional	SMB	600	350	1	567
AICM06JD00AGSMB	Unidirectional	SMB	600	400	1	648
AICM06JD00BGSMB	Bidirectional	SMB	600	400	1	648
AICM06JD40AGSMB	Unidirectional	SMB	600	440	1	713
AICM06JD40BGSMB	Bidirectional	SMB	600	440	1	713
AICM06P068AGSMB	Unidirectional	SMB	600	5.8	1000	10.5
AICM06P075AGSMB	Unidirectional	SMB	600	6.4	500	11.3
AICM06P082AGSMB	Unidirectional	SMB	600	7.02	200	12.1
AICM06P091AGSMB	Unidirectional	SMB	600	7.78	50	13.4
AICM06P100AGSMB	Unidirectional	SMB	600	8.55	10	14.5
AICM06P110AGSMB	Unidirectional	SMB	600	9.4	5.0	15.6
AICM06P120AGSMB	Unidirectional	SMB	600	10.2	5.0	16.7
AICM06P130AGSMB	Unidirectional	SMB	600	11.1	1.0	18.2
AICM06P150AGSMB	Unidirectional	SMB	600	12.8	1.0	21.2
AICM06P160AGSMB	Unidirectional	SMB	600	13.6	1.0	22.5
AICM06P180AGSMB	Unidirectional	SMB	600	15.3	1.0	25.5
AICM06P200AGSMB	Unidirectional	SMB	600	17.1	1.0	27.7
AICM06P220AGSMB	Unidirectional	SMB	600	18.8	1.0	30.6
AICM06P240AGSMB	Unidirectional	SMB	600	20.5	1.0	33.2

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06P270AGSMB	Unidirectional	SMB	600	23.1	1.0	37.5
AICM06P300AGSMB	Unidirectional	SMB	600	25.6	1.0	41.4
AICM06P330AGSMB	Unidirectional	SMB	600	28.2	1.0	45.7
AICM06P360AGSMB	Unidirectional	SMB	600	30.8	1.0	49.9
AICM06P390AGSMB	Unidirectional	SMB	600	33.3	1.0	53.9
AICM06P430AGSMB	Unidirectional	SMB	600	36.8	1.0	59.3
AICM06P470AGSMB	Unidirectional	SMB	600	40.2	1.0	64.8
AICM06P510AGSMB	Unidirectional	SMB	600	43.6	1.0	70.1
AICM06P560AGSMB	Unidirectional	SMB	600	47.8	1.0	77
AICM06P620AGSMB	Unidirectional	SMB	600	53	1.0	85
AICM06P680AGSMB	Unidirectional	SMB	600	58.1	1.0	92
AICM06P750AGSMB	Unidirectional	SMB	600	64.1	1.0	103
AICM06P820AGSMB	Unidirectional	SMB	600	70.1	1.0	113
AICM06P910AGSMB	Unidirectional	SMB	600	77.8	1.0	125
AICM06PA00AGSMB	Unidirectional	SMB	600	85.5	1.0	137
AICM06PA10AGSMB	Unidirectional	SMB	600	94	1.0	152
AICM06PA20AGSMB	Unidirectional	SMB	600	102	1.0	165
AICM06PA30AGSMB	Unidirectional	SMB	600	111	1.0	179
AICM06PA50AGSMB	Unidirectional	SMB	600	128	1.0	207
AICM06PA60AGSMB	Unidirectional	SMB	600	136	1.0	219

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06PA70AGSMB	Unidirectional	SMB	600	145	1.0	234
AICM06PA80AGSMB	Unidirectional	SMB	600	154	1.0	246
AICM06PB00AGSMB	Unidirectional	SMB	600	171	1.0	274
AICM06PB20AGSMB	Unidirectional	SMB	600	185	1.0	328
AICM06PB50AGSMB	Unidirectional	SMB	600	214	1.0	344
AICM06PC00AGSMB	Unidirectional	SMB	600	256	1.0	414
AICM06PC50AGSMB	Unidirectional	SMB	600	300	1.0	482
AICM06PD00AGSMB	Unidirectional	SMB	600	342	1.0	548
AICM06PD40AGSMB	Unidirectional	SMB	600	376	1.0	602
AICM06PD80AGSMB	Unidirectional	SMB	600	408	1.0	658
AICM06PE10AGSMB	Unidirectional	SMB	600	434	1.0	698
AICM06PE30AGSMB	Unidirectional	SMB	600	477	1.0	725
AICM06PE40AGSMB	Unidirectional	SMB	600	459	1.0	740
AICM06PE50AGSMB	Unidirectional	SMB	600	495	1.0	760
AICM06P068BGSMB	Bidirectional	SMB	600	5.8	1000	10.5
AICM06P075BGSMB	Bidirectional	SMB	600	6.4	500	11.3
AICM06P082BGSMB	Bidirectional	SMB	600	7.02	200	12.1
AICM06P091BGSMB	Bidirectional	SMB	600	7.78	50	13.4
AICM06P100BGSMB	Bidirectional	SMB	600	8.55	10	14.5
AICM06P110BGSMB	Bidirectional	SMB	600	9.4	5.0	15.6

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06P120BGSMB	Bidirectional	SMB	600	10.2	5.0	16.7
AICM06P130BGSMB	Bidirectional	SMB	600	11.1	5.0	18.2
AICM06P150BGSMB	Bidirectional	SMB	600	12.8	5.0	21.2
AICM06P160BGSMB	Bidirectional	SMB	600	13.6	5.0	22.5
AICM06P180BGSMB	Bidirectional	SMB	600	15.3	5.0	25.5
AICM06P200BGSMB	Bidirectional	SMB	600	17.1	5.0	27.7
AICM06P220BGSMB	Bidirectional	SMB	600	18.8	5.0	30.6
AICM06P240BGSMB	Bidirectional	SMB	600	20.5	5.0	33.2
AICM06P270BGSMB	Bidirectional	SMB	600	23.1	5.0	37.5
AICM06P300BGSMB	Bidirectional	SMB	600	25.6	5.0	41.4
AICM06P330BGSMB	Bidirectional	SMB	600	28.2	5.0	45.7
AICM06P360BGSMB	Bidirectional	SMB	600	30.8	5.0	49.9
AICM06P390BGSMB	Bidirectional	SMB	600	33.3	5.0	53.9
AICM06P430BGSMB	Bidirectional	SMB	600	36.8	5.0	59.3
AICM06P470BGSMB	Bidirectional	SMB	600	40.2	5.0	64.8
AICM06P510BGSMB	Bidirectional	SMB	600	43.6	5.0	70.1
AICM06P560BGSMB	Bidirectional	SMB	600	47.8	5.0	77
AICM06P620BGSMB	Bidirectional	SMB	600	53	5.0	85
AICM06P680BGSMB	Bidirectional	SMB	600	58.1	5.0	92
AICM06P750BGSMB	Bidirectional	SMB	600	64.1	5.0	103

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06P820BGSMB	Bidirectional	SMB	600	70.1	5.0	113
AICM06P910BGSMB	Bidirectional	SMB	600	77.8	5.0	125
AICM06PA00BGSMB	Bidirectional	SMB	600	85.5	5.0	137
AICM06PA10BGSMB	Bidirectional	SMB	600	94	5.0	152
AICM06PA20BGSMB	Bidirectional	SMB	600	102	5.0	165
AICM06PA30BGSMB	Bidirectional	SMB	600	111	5.0	179
AICM06PA50BGSMB	Bidirectional	SMB	600	128	5.0	207
AICM06PA60BGSMB	Bidirectional	SMB	600	136	5.0	219
AICM06PA70BGSMB	Bidirectional	SMB	600	145	5.0	234
AICM06PA80BGSMB	Bidirectional	SMB	600	154	5.0	246
AICM06PB00BGSMB	Bidirectional	SMB	600	171	5.0	274
AICM06PB20BGSMB	Bidirectional	SMB	600	185	5.0	328
AICM06PB50BGSMB	Bidirectional	SMB	600	214	5.0	344
AICM06PC00BGSMB	Bidirectional	SMB	600	256	5.0	414
AICM06PC50BGSMB	Bidirectional	SMB	600	300	5.0	482
AICM06PD00BGSMB	Bidirectional	SMB	600	342	5.0	548
AICM06PD40BGSMB	Bidirectional	SMB	600	376	5.0	602
AICM06PD80BGSMB	Bidirectional	SMB	600	408	5.0	658
AICM06PE10BGSMB	Bidirectional	SMB	600	434	5.0	698
AICM06PE30BGSMB	Bidirectional	SMB	600	477	5.0	725

TVS

Part Number	Number of Functions	Package	PD (W)	VRWM (V)	IR (μA)	VC (V)
AICM06PE40BGSMB	Bidirectional	SMB	600	459	5.0	740
AICM06PE50BGSMB	Bidirectional	SMB	600	495	5.0	760

SiC SBD

Part Number	Package	Number of Functions	Average Forward Current-IF (A)	Peak Repetitive Reverse Voltage-VRRM (V)	Forward Voltage -VF (V)	Number of Diodes Spec	Junction Temperature
AICM6E10PGM3	TO263-3	Single	10	650	1.55	1	-55~+175
AICM6E08PGM3	TO263-3	Single	8	650	1.55	1	-55~+175
AICM6E20YGM3	TO263-3	Single	20	650	1.55	1	-55~+175
AICM6E50XYGM3	TO263-3	Single	50	650	1.6	1	-55~+175
AICM6E08PGQ8C	PDFN-8 (5x6)	Single	8	650	1.6	1	-55~+175
AICM6E10PGQ8C	PDFN-8 (5x6)	Single	10	650	1.6	1	-55~+175
AICM6E10PL8GD5A	DFN-5 (8x8)	Single	10	650	1.6	1	-55~+175
AICM6E08PL8GD5A	DFN-5 (8x8)	Single	8	650	1.6	1	-55~+175
AICM6E04BGE3	TO252-3	Single	4.0	650	1.8	1	-55~+175
AICM6E02BGE3	TO252-3	Single	2.0	650	1.6	1	-55~+175
AICM6E08PGE3	TO252-3	Single	8	650	1.55	1	-55~+175
AICM6E10PGE3	TO252-3	Single	10	650	1.55	1	-55~+175
AICM6E06PGE3	TO252-3	Single	6	650	1.6	1	-55~+175
AICM6E32XYGE3	TO252-3	Single	32	650	1.55	1	-55~+175
AICM6E10PGT2F	TO220F-2	Single	10	650	1.55	1	-55~+175
AICM6E08PGT2F	TO220F-2	Single	8	650	1.55	1	-55~+175
AICM6E20YGT2F	TO220F-2	Single	20	650	1.55	1	-55~+175

SiC SBD

Part Number	Package	Number of Functions	Average Forward Current-IF (A)	Peak Repetitive Reverse Voltage-VRRM (V)	Forward Voltage -VF (V)	Number of Diodes Spec	Junction Temperature
AICM6E10PGT2	TO220-2	Single	10	650	1.55	1	-55~+175
AICM6E08PGT2	TO220-2	Single	8	650	1.55	1	-55~+175
AICM6E06PGT2	TO220-2	Single	6	650	1.6	1	-55~+175
AICM6E20YGT2	TO220-2	Single	20	650	1.55	1	-55~+175
AICM6E02YGT2	TO220-2	Single	2	650	1.6	1	-55~+175
AICM6E40DYGR3	TO247-3	Dual	40	650	1.55	2	-55~+175
AICM6E20DYGR3	TO247-3	Dual	20	650	1.55	2	-55~+175
AICM6E20YGR2	TO247-2	Single	20	650	1.55	1	-55~+175
AICM6E30YGR2	TO247-2	Single	30	650	1.65	1	-55~+175
AICM6E50YGR2	TO247-2	Single	50	650	1.6	1	-55~+175
AICMAB20YGM3	TO263-3	Single	20	1200	1.55	1	-55~+175
AICMAB10YGM3	TO263-3	Single	10	1200	1.54	1	-55~+175
AICMAB10YAGM3	TO263-3	Single	10	1200	1.54	1	-55~+175
AICMAB02BGE3	TO252-3	Single	2.0	1200	1.7	1	-55~+175
AICMAB10YGE3	TO252-3	Single	10	1200	1.54	1	-55~+175
AICMAB10YGT2F	TO220F-2	Single	10	1200	1.54	1	-55~+175
AICMAB05BGT2	TO220-2	Single	5.0	1200	1.7	1	-55~+175

SiC SBD

Part Number	Package	Number of Functions	Average Forward Current-IF (A)	Peak Repetitive Reverse Voltage-VRRM (V)	Forward Voltage -VF (V)	Number of Diodes Spec	Junction Temperature
AICMAB15BGT2	TO220-2	Single	15	1200	1.8	1	-55~+175
AICMAB20BGT2	TO220-2	Single	20	1200	1.8	1	-55~+175
AICMAB10YGT2	TO220-2	Single	10	1200	1.54	1	-55~+175
AICMAB15YGT2	TO220-2	Single	15	1200	1.45	1	-55~+175
AICMAB20PTAGR3	TO247-3	Dual	20	1200	1.8	2	-55~+175
AICMAB40DYGR3	TO247-3	Dual	40	1200	1.55	2	-55~+175
AICMAB30DYGR3	TO247-3	Dual	30	1200	1.45	2	-55~+175
AICMAB20DYGR3	TO247-3	Dual	20	1200	1.54	2	-55~+175
AICMAB10PTAGR2	TO247-2	Single	10	1200	1.8	1	-55~+175
AICMAB20YGR2	TO247-2	Single	20	1200	1.55	1	-55~+175
AICMAB40YGR2	TO247-2	Single	40	1200	1.6	1	-55~+175
AICMAB30YAGR2	TO247-2	Single	30	1200	1.58	1	-55~+175
AICMAB40YAGR2	TO247-2	Single	40	1200	1.58	1	-55~+175
AICMAB15YGR2	TO247-2	Single	15	1200	1.45	1	-55~+175
AICMAB30YBGR2	TO247-2	Single	30	1200	1.75	1	-55~+175

ESD DIODES

Part Number	Package	Reverse Current Ir	Package / Case	Polarity	Breakdown Voltage Vbr	Operating Standoff Voltage	Max Clamping Current	Clamping Voltage Vc	Capacitance Cj	ESD Contact Rating	Configuration
AICRD0215V0GU3	SOT23-3	0.1 uA	SOT-23	bidirectional	5 V	5 V	3.5 A	12.5 V	6.0 pF	30 KV	array
AICRR05LCGU4	SOT143-4		SOT-143		6 V	5 V	5.0 A	25 V	1.2 pF	8 KV	
AICRRV054LCGU6	SOT23-6	1.0 uA	SOT-23-6L	bidirectional	6 V	5 V	5.0 A	28 V	0.8 pF	8 KV	array
AICRSD05CGJ2	SOD323-2	10 uA	SOD-323	bidirectional	6 V	5 V	24.0 A	14.5 V	200 pF	30 KV	single
AICRT03LCGJ2	SOD323-2	5 uA	SOD-323	bidirectional	4 V	3.0 V	8.0 A	13.9 V	0.8 pF	8 KV	array
AICRT05LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	6 V	5 V	8.0 A	18.3 V	0.8 pF	8 KV	array
AICRT08LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	8.5 V	8 V	8.0 A	18.5 V	0.8 pF	8 KV	array
AICRTAB12LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	13.3 V	12 V	6.0 A	24 V	0.8 pF	8 KV	array
AICRTAB15LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	16.7 V	15 V	5.0 A	29 V	0.8 pF	8 KV	array
AICRTAB18LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	20 V	18 V	5.0 A	45 V	0.8 pF	8 KV	array
AICRTAB20LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	22 V	20 V	4.0 A	45 V	0.8 pF	8 KV	array
AICRTAB24LCGJ2	SOD323-2	1 uA	SOD-323	bidirectional	26.7 V	24V	3.0 A	45 V	0.8 pF	8 KV	array
AICRP03GJ2	SOD323-2		SOD-323		4.0 V	3.3 V		10.5 V	450 pF	8 KV	
AICRP03CGJ2	SOD323-2		SOD-323		4 V	3.3V		13 V	450 pF	8 KV	bidirectional
AICRP05GJ2	SOD323-2		SOD-323		6 V	5 V		18 V	300 pF	8 KV	
AICRP0501SAGD2A	DFN-2 (0.6x0.3)	1 uA	DFN0603	bidirectional	7 V	5 V	4.0 A	20 V	0.4 pF	22 KV	single
AICRP0504DGU6	SOT23-6	1.0 uA	SOT-23-6L	bidirectional	6 V	5 V	2.0 A	12 V	0.8 pF	16 KV	array
AICRP0504PGD6C	DFN-6 (1.6x1.6)		DFN1616-6L								
AICRP0516LCGD1F	DFN-10 (4.1x2)	1 uA	DFN4120-10	bidirectional	6 V	5 V	1.0 A	12 V	0.8 pF	17 KV	array
AICRP0524PGD1D	DFN-10 (2.5x1)	1 uA	DFN2510	bidirectional	6 V	5 V	1.0 A	10 V	0.5 pF	25 KV	array
AICRP0566PGD1F	DFN-10 (4.1x2)		DFN4120-10L		6 V	5 V	3.0 A	28 V	0.45pF	8 KV	
AICRP05CGJ2	SOD323-2		SOD-323		6 V	5V		18 V	200 pF	8 KV	bidirectional
AICRP0801LCGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006	bidirectional	5.5 V	5 V	4.0 A	15 V	12 pF	30 KV	single
AICRP0801MGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006	bidirectional	5.5 V	5 V	4.0 A	15 V	12 pF	30 KV	single
AICRP0801SCGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006	bidirectional	16 V	12 V	1.0 A	20 V	0.5 pF	12 KV	single
AICRP0801SFGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006	bidirectional	16.7 V	15 V	1.0 A	27 V	0.5 pF	12 KV	single

ESD DIODES

Part Number	Package	Reverse Current Ir	Package / Case	Polarity	Breakdown Voltage Vbr	Operating Standoff Voltage	Max Clamping Current	Clamping Voltage Vc	Capacitance Cj	ESD Contact Rating	Configuration
AICRP0801SGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006	bidirectional	6 V	5 V	2.0 A	14 V	0.5 pF	17 KV	single
AICRP081302GD2A	DFN-2 (0.6x0.3)	1 uA	DFN0603	bidirectional	5.5 V	5 V	4.0 A	12.5 V	15 pF	30 KV	single
AICRP08CGJ2	SOD323-2		SOD-323		8.5 V	8 V		24 V	120 pF	8 KV	bidirectional
AICRP12GJ2	SOD323-2		SOD-323		13.3 V	12 V		32 V	130 pF	8 KV	
AICRP12CGJ2	SOD323-2		SOD-323		13.3 V	12 V		32 V	75 pF	8 KV	bidirectional
AICRP15GJ2	SOD323-2		SOD-323		16.7 V	15 V		38 V	120 pF	8 KV	
AICRP15CGJ2	SOD323-2		SOD-323		16.7 V	15 V		38 V	68 pF	8 KV	bidirectional
AICRP18CGJ2	SOD323-2		SOD-323		20 V	18 V		45 V	57 pF	8 KV	bidirectional
AICRP2105LGU3	SOT23-3		SOT-23	bidirectional	26.2 V	24 V		46 V	30 pF	30 KV	
AICRP220133GD1C	DFN-10 (2.6x2.6)	1 uA	DFN2.6*2.6-	bidirectional	3.5 V	3.3 V	25 A	16 V	5 pF	15 KV	array
AICRP220325GD8F	DFN-8 (2x1)	50 nA	DFN-8L	bidirectional	3 V	2.5 V	10.0 A	8 V	6 pF	30 KV	array
AICRP220425GD1E	DFN-10 (3x2)		DFN3.0*2.0-10L		3 V	2.5 V	40 A	20V	5 pF	30 KV	
AICRP24GJ2	SOD323-2		SOD-323		26.7 V	24 V		52 V	80 pF	8 KV	
AICRP24CGJ2	SOD323-2		SOD-323		26.7 V	24 V		52 V	50 pF	8 KV	bidirectional
AICRP36GJ2	SOD323-2		SOD-323		40 V	36 V		75 V	60 pF	8 KV	
AICRP36CGJ2	SOD323-2		SOD-323		40 V	36 V		75 V	35 pF	8 KV	bidirectional
AICRP3Z12GJ2	SOD323-2	20 nA	SOD-323	unidirectional	14.1 V	12 V	9.6 A	29 V	240 pF	30 KV	single
AICRP3Z33GJ2	SOD323-2	0.9 uA	SOD-323	unidirectional	5 V	3.3 V	11.2 A	14.1 V	158 pF	30 KV	single
AICRP3Z50GJ2	SOD323-2	80 nA	SOD-323	unidirectional	6.2 V	5 V	9.4 A	18.6 V	174 pF	30 KV	single
AICRP3Z70GJ2	SOD323-2	30 nA	SOD-323	unidirectional	7.5 V	7 V	8.8 A	22.7 V	200 pF	30 KV	single
AICRP5B5LCGX25	SOD523-2		SOD-523		5.2 V	5 V		9 V	6 pF	8 KV	
AICRP5VS143GU4	SOT143-4	1.0 uA	SOT-143	bidirectional	6 V	5 V	6.0 A	25 V	1.0 pF	8 KV	array
AICRP5Z12VGX25	SOD523-2		SOD-523		14.1 V	12 V		29 V	45 pF	30 KV	
AICRP5Z2V5GX25	SOD523-2		SOD-523		4 V	2.5 V		10.9 V	145 pF	30 KV	
AICRP5Z3V3GX25	SOD523-2		SOD-523		5 V	3.3 V		14.1 V	105 pF	30 KV	
AICRP5Z5V0GX25	SOD523-2		SOD-523		6.2 V	5 V		18.6 V	80 pF	30 KV	

ESD DIODES

Part Number	Package	Reverse Current Ir	Package / Case	Polarity	Breakdown Voltage Vbr	Operating Standoff Voltage	Max Clamping Current	Clamping Voltage Vc	Capacitance Cj	ESD Contact Rating	Configuration
AICRP5Z6V0GX25	SOD523-2		SOD-523		6.8 V	6 V		20.5 V	70 pF	30 KV	
AICRP5Z7V0GX25	SOD523-2		SOD-523		7.5 V	7 V		22.7 V	65 pF	30 KV	
AICRPM03GU3	SOT23-3	40 uA	SOT-23	bidirectional	4 V	3.3 V	20.0 A	10.5 V	450 pF	8 KV	single
AICRPM05GU3	SOT23-3	10 uA	SOT-23	bidirectional	6 V	5 V	17.0 A	18 V	300 pF	8 KV	single
AICRPM08GU3	SOT23-3	2 uA	SOT-23	bidirectional	8.5 V	8 V	15.0 A	24 V	240 pF	8 KV	single
AICRPM12GU3	SOT23-3	1 uA	SOT-23	bidirectional	13.3 V	12 V	11.0 A	32 V	130 pF	8 KV	single
AICRPM15GU3	SOT23-3	1 uA	SOT-23	bidirectional	16.7 V	15 V	10.0 A	38 V	120 pF	8 KV	single
AICRPM18GU3	SOT23-3	1 uA	SOT-23	bidirectional	20 V	18 V	9.0 A	45 V	100 pF	8 KV	single
AICRPM24GU3	SOT23-3	1 uA	SOT-23	bidirectional	26.7 V	24 V	7.0 A	52 V	80 pF	8 KV	single
AICRPM36GU3	SOT23-3	1 uA	SOT-23	bidirectional	40 V	36 V	5.0 A	75 V	60 pF	8 KV	single
AICRP0801PVGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006		6.0 V	5.0 V		9.5 V	8 pF	8 KV	
AICRM712AGU3	SOT23-3	1 uA	SOT-23	bidirectional	13.3 V	12.0 V		26 V	75 pF	8 KV	
AICRM712BGU3	SOT23-3	20 uA	SOT-23	bidirectional	7.5 V	7.0 V		12 V	75 pF	8 KV	
AICRP2105LVGU3	SOT23-3	0.015 uA	SOT-23	bidirectional	26.2 V			36 V	25 pF	8 KV	
AICRP5Z50LGX25	SOD523-2	1.0 uA	SOD-523		6.0 V			9.8 V	0.5 pF	15 KV	
AICRPL5Z24MGX25	SOD523-2	2 uA	SOD-523		25V	24V	1.0 A	47V	10 pF	15 KV	TVS
AICRP0501LGD2A	DFN-2 (0.6x0.3)	1 uA	DFN0603		5.5 V	5 V	4.0 A	15 V	6 pF	30 KV	
AICRP0801DGD2B	DFN-2 (1.0x0.6)	0.1 uA	DFN1006		6 V	5 V	4.0 A	22 V	0.20pF	20 KV	
AICRT03LGJ2	SOD323-2	20 uA	SOD-323	unidirectional	4 V	3.0 V	8.0 A	13.9 V	0.8 pF	8 KV	array
AICRT05LGJ2	SOD323-2	5 uA	SOD-323	unidirectional	6 V	5 V	8.0 A	18.3 V	0.8 pF	8 KV	array
AICRT08LGJ2	SOD323-2	2 uA	SOD-323	unidirectional	8.5 7V	8 V	8.0 A	18.5 V	0.8 pF	8 KV	array
AICRTAB12LGJ2	SOD323-2	1 uA	SOD-323	unidirectional	13.3 V	12 V	6.0 A	24.0 V	0.8 pF	8 KV	array
AICRTAB15LGJ2	SOD323-2	1 uA	SOD-323	unidirectional	16.7 V	15 V	5.0 A	29.0 V	0.8 pF	8 KV	array
AICRTAB24LGJ2	SOD323-2	1 uA	SOD-323	unidirectional	26.7 V	24V	3.0 A	45.0 V	0.8 pF	8 KV	array
AICRM24MGU3	SOT23-3	1 uA	SOT-23		26 V	24 V	3.0 A	50 V	13 pF	20 KV	array
AICRP5V6ALGU3	SOT23-3	5 uA	SOT-23		5.6 V	3.0 V	3.0 A	8 V			Zeners

ESD DIODES

Part Number	Package	Reverse Current Ir	Package / Case	Polarity	Breakdown Voltage Vbr	Operating Standoff Voltage	Max Clamping Current	Clamping Voltage Vc	Capacitance Cj	ESD Contact Rating	Configuration
AICRP6V2ALGU3	SOT23-3	0.5 uA	SOT-23		6.2 V	3.0 V	2.76 A	8.7 V			Zeners
AICRP6V8ALGU3	SOT23-3	0.5 uA	SOT-23		6.8 V	4.5 V	2.5 A	9.6 V			Zeners
AICRP12ALGU3	SOT23-3	8.5 uA	SOT-23		12 V	8.5 V	2.35 A	17 V			Zeners
AICRP15ALGU3	SOT23-3	12 uA	SOT-23		15 V	12 V	1.9 A	21 V			Zeners
AICRP18ALGU3	SOT23-3	14.5 uA	SOT-23		18 V	14.5 V	1.6 A	25 V			Zeners
AICRP27ALGU3	SOT23-3	22 uA	SOT-23		27 V	22 V	1.0 A	40 V			Zeners
AICRD50LM9GX29	SOD923-2	1.0 uA	SOD923		6.0 V	5.0 V	1.0 A	14 V			Zeners
AICRD33XM9GX29	SOD923-2	2.5 uA	SOD923		5.0 V	3.3 V		10.4 V	45 pF		Zeners
AICRD33XSM9GX29	SOD923-2	2.5 uA	SOD923		5.0 V	3.3 V		10.4 V	45 pF		Zeners
AICRP5V6CLGU3	SOT23-3	5 uA	SOT-23		5.6 V	3.0 V	3.0 A	8 V			Zeners
AICRP6V2CLGU3	SOT23-3	0.5 uA	SOT-23		6.2 V	3.0 V	2.76 A	8.7 V			Zeners
AICRP6V8CLGU3	SOT23-3	0.5 uA	SOT-23		6.8 V	4.5 V	2.5 A	9.6 V			Zeners
AICRP12CLGU3	SOT23-3	8.5 uA	SOT-23		12 V	8.5 V	2.35 A	17 V			Zeners
AICRP15CLGU3	SOT23-3	12 uA	SOT-23		15 V	12 V	1.9 A	21 V			Zeners
AICRP18CLGU3	SOT23-3	14.5 uA	SOT-23		18 V	14.5 V	1.6 A	25 V			Zeners
AICRP27CLGU3	SOT23-3	22 uA	SOT-23		27 V	22 V	1.0 A	40 V			Zeners
AICRSD12CGJ2	SOD323-2	1 uA	SOD-323	bidirectional	13.3 V	12 V	15 A	24 V	100 pF	30 KV	single
AICRSD15CGJ2	SOD323-2	1 uA	SOD-323	bidirectional	16.7 V	15 V	12.0 A	29 V	75 pF	30 KV	single
AICRSD24CGJ2	SOD323-2	1 uA	SOD-323	bidirectional	26.7 V	24 V	8.0 A	44 V	50 pF	30 KV	single
AICRP0501CMGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006	bidirectional	9.0 V	5 V	20.0 A	20 V	40 pF	30 KV	TVS
AICRP3324DGD1D	DFN-10 (2.5x1)	1 uA	DFN2510		4.2 V	3.3 V	4.0 A	14 V	0.5 pF	25 KV	
AICRP0801PBGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006		6.0 V	5 V	4.0 A	17 V	15 pF	30 KV	TVS
AICRDBKV5V0GJ2	SOD323-2	1 uA	SOD-323	bidirectional	8.0 V	5 V	30 A	27 V	2 pF	25 KV	TVS
AICRDLC5V0BGJ2	SOD323-2	1 uA	SOD-323	bidirectional	8.0 V	5 V	21 A	32 V	5 pF	25 KV	TVS
AICRP1301DGU3	SOT23-3	0.1 uA	SOT-23		80 V		11.0 A	20 V	0.75 pF	30 KV	
AICRP0501DGD2B	DFN-2 (1.0x0.6)	0.1 uA	DFN1006		6 V		4.0 A	15 V	0.5 pF	20 KV	

ESD DIODES

Part Number	Package	Reverse Current Ir	Package / Case	Polarity	Breakdown Voltage Vbr	Operating Standoff Voltage	Max Clamping Current	Clamping Voltage Vc	Capacitance Cj	ESD Contact Rating	Configuration
AICRD1LINAGJ2	SC-76	0.05 uA	SC-76		30.3 V	15 V	5.0 A	44 V	17 pF	15 KV	
AICRD1LINBGJ2	SC-76	0.05 uA	SC-76		30.3 V	24 V	3.0 A	70 V	17 pF	15 KV	
AICRDC15VBGJ2	SOD323-2	1 uA	SOD-323	bidirectional	21 V		10.0 A	37 V	2 pF	25 KV	TVS
AICRP2401MGD2B	DFN-2 (1.0x0.6)	1 uA	DFN1006		32 V		3.0 A	50 V	17 pF	20 KV	TVS
AICRPM03CGU3	SOT23-3	40 uA	SOT-23	bidirectional	4.0 V	3.3 V		13 V	450 pF	8 KV	TVS
AICRPM05CGU3	SOT23-3	10 uA	SOT-23	bidirectional	6.0 V	5.0 V		18 V	200 pF	8 KV	TVS
AICRPM08CGU3	SOT23-3	2 uA	SOT-23	bidirectional	8.5 V	8.0 V		24 V	120 pF	8 KV	TVS
AICRPM12CGU3	SOT23-3	1 uA	SOT-23	bidirectional	13.3 V	12 V		32 V	75 pF	8 KV	TVS
AICRPM15CGU3	SOT23-3	1 uA	SOT-23	bidirectional	16.7 V	15 V		38 V	68 pF	8 KV	TVS
AICRPM18CGU3	SOT23-3	1 uA	SOT-23	bidirectional	20 V	18 V		45 V	57 pF	8 KV	TVS
AICRPM20CGU3	SOT23-3	1 uA	SOT-23	bidirectional	22.3 V	20 V		50 V	52 pF	8 KV	TVS
AICRPM24CGU3	SOT23-3	1 uA	SOT-23	bidirectional	24 V	24 V		52 V	50 pF	8 KV	TVS
AICRPM36CGU3	SOT23-3	1 uA	SOT-23	bidirectional	36 V	36 V		75 V	35 pF	8 KV	TVS
AICRP20CGJ2	SOD323-2		SOD-323		22.3 V	20 V		50 V	52 pF	8 KV	bidirectional
AICRD7004GD1D	DFN-10 (2.5x1)	1 uA	DFN2510	bidirectional	6 V	5 V	1.0 A	10 V	0.5 pF	25 KV	array
AICRD8104GD1D	DFN-10 (2.5x1)	1 uA	DFN2510		4.2 V	3.3 V	4.0 A	14 V	0.5 pF	25 KV	
AICRP0306DGD2A	DFN-2 (0.6x0.3)	0.1 uA	DFN0603		4.2 V	3.3 V	4.0 A	24 V	0.25 pF	20 KV	TVS
AICRP3Z50MGJ2	SOD323-2	1 uA	SOD-323		5.6 V		8.0 A	16 V	15 pF	30 KV	TVS
AICRD3Z3V3DGJ2	SOD323-2	0.1 uA	SOD-323		4.2 V	3.3 V	4.0 A	25 V	0.4 pF	20 KV	
AICRD3Z5V0DGJ2	SOD323-2	0.1 uA	SOD-323		6 V	5.0 V	4.0 A	25 V	0.4 pF	20 KV	

SiC SCHOTTKY RECTIFIERS

Part Number	Package	V_{RRM}	$I_{F(AV)}$	$V_{F(typ)}$	$V_{F(max)}$	Q_C
		(V)	(A)	(V)	(V)	(nC)
AICR36E04CGE3	TO252-3	650	11	1.55	1.7	11
AICR36E05CGE3	TO252-3	650	21.4	1.36	1.7	22
AICR3AB02CGE3	TO252-3	1200	6.2	1.62	1.7	12
AICR3AB10CGE3	TO252-3	1200	19	1.55	1.8	18.5
AICR2AG10GT2	TO220-2	1700	35	1.4	1.7	122
AICR2AG15GT2	TO220-2	1700	38.2	1.52	1.8	142
AICR36J10GT2	TO220-2	600	10	1.51	1.7	35
AICR36E03GT2	TO220-2	650	8	1.4	1.65	5.4
AICR36E04GT2	TO220-2	650	11.4	1.53	1.7	10
AICR36E04BGT2	TO220-2	650	14	1.5	1.8	10
AICR36E04CGT2	TO220-2	650	14	1.5	1.8	10
AICR36E05GT2	TO220-2	650	21.5	1.35	1.7	23
AICR36E06GT2	TO220-2	650	21.5	1.44	1.7	23
AICR36E08GT2	TO220-2	650	22.5	1.47	1.7	30
AICR36E10GT2	TO220-2	650	33	1.5	1.7	36
AICR36E20GT2	TO220-2	650	45	1.7	1.8	56
AICR36E30GT2	TO220-2	650	64	1.75	1.8	101
AICR37J04GT2	TO220-2	700	11	1.55	1.7	11
AICR3AB02GT2	TO220-2	1200	6.2	1.62	1.7	12
AICR3AB05GT2	TO220-2	1200	18	1.45	1.7	36

SiC SCHOTTKY RECTIFIERS

Part Number	Package	V_{RRM}	$I_{F(AV)}$	$V_{F(typ)}$	$V_{F(max)}$	Q_C
		(V)	(A)	(V)	(V)	(nC)
AICR3AB10GT2	TO220-2	1200	25.9	1.63	1.7	69
AICR3AB15GT2	TO220-2	1200	41	1.57	1.8	110
AICR3AB20GT2	TO220-2	1200	43.2	1.62	1.8	110
AICR3AG05GT2	TO220-2	1700	24	1.3	1.6	65
AICR3AG15GT2	TO220-2	1700	24	1.6	1.7	120
AICR36E03GT3F	TO220F-3	650	11	1.41	1.7	11
AICR36E06GT3F	TO220F-3	650	13	1.4	1.65	18
AICR36E08GT3F	TO220F-3	650	14	1.47	1.7	30
AICR36E10GT3F	TO220F-3	650	17.8	1.5	1.7	36
AICR3AB02GT3F	TO220F-3	1200	7.9	1.36	1.7	12
AICR36E20GR3	TO247-3	650	33	1.5	1.7	36
AICR36E30GR3	TO247-3	650	78	1.4	1.65	36
AICR36E40GR3	TO247-3	650	45	1.7	1.8	56
AICR3AB10GR3	TO247-3	1200	18	1.45	1.7	36
AICR3AB20GR3	TO247-3	1200	25.9	1.63	1.7	69
AICR3AB40GR3	TO247-3	1200	44	1.6	1.8	116
AICR3AB20GR2	TO247-2	1200	51	1.55	1.8	51
AICR3AG10GR2	TO247-2	1700	22	1.5	1.8	106
AICR36E10GM3	TO263-3	650	38	1.27	1.5	25

Hall Sensor

P/N	Advantage	Electrical Characteristics								Features								Available	Application
		V_{IN} (V)		I_{OUT}	B_{OP}	B_{RP}	B_{HYS}	$R_{DS(ON)}$	I_{DD} (mA)	FG	RD	PWM	OTP	Auto Restart	V_{OUT} Clamp	Reverse Protect	Package Type		
		Min.	Max.	(mA)	(Gauss)	(Gauss)	(Gauss)	(Ω)	Typ.										
Latch																			
AICH177	Hall Effect Latch, Open Drain	3.3	26	25	35	-35	70	15	3	-	-	-	-	-	-	◎	SOT23-3L SIP-3L	Now	* BLDC Motor * White Goods * E-Tools * Consumer * E-Toys
AICH177R	Hall Effect Latch, Open Drain	3.3	26	25	35	-35	70	15	3	-	-	-	-	-	-	◎	SOT23-3L	Now	
AICH177H	Single Output Hall Effect Latch	4	26	25	Refer to datasheet	Refer to datasheet	100	0.5V	3	-	-	-	-	-	-	◎	SIP-3L	Now	
AICH7020/B	Hall Effect Latch, Open Drain	2.5	26	25	28	-28	56	15	2	-	-	-	-	-	-	◎	SOT23-3L/F SIP-3L, SOT553 DFN1.6x1.6-6L	Now	
AICH7021	Hall Effect Latch, Open Drain	2.5	26	25	15	-15	30	15	2	-	-	-	-	-	-	◎	SOT23-3L, TSOT23-3L SIP-3L DFN1.6x1.6-6L	Now	
AICH7022/B	Hall Effect Latch, Pull high resistor	2.5	26	25	28	-28	56	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L, SOT553	Now	
AICH7023	Hall Effect Latch, Pull high resistor	2.5	26	25	15	-15	30	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L	Now	
AICH7024	Hall Effect Latch, Pull high resistor	2.5	28	25	28	-28	56	10	2	-	-	-	-	-	-	-	SOT23-3L SIP-3L	Now	
AICH7025	Hall Effect Latch, Open Drain	2.5	26	25	20	-20	40	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L, SOT553	Now	
AICH7026	Hall Effect Latch, Pull high resistor	2.5	26	25	20	-20	40	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L, SOT553	Now	
AICH7027	Hall Effect Latch, Open Drain	3.3	26	25	20	-20	40	10	3							◎	SOT23-3L SIP-3L	Q3/'23	
AICH7080	Dual-Channel Hall Effect Latch Open Drain	2.5	26	25	15	-15	30	15	4	-	-	-	-	-	-	◎	SIP-4L	Now	
AICH41F	Single Output Hall Effect Latch	3.8	26	25	55	-55	100	0.5V	3	-	-	-	-	-	-	◎	SIP-3L	Now	

Hall Sensor

P/N	Advantage	Electrical Characteristics								Features								Available	Application
		V_{IN} (V)		I_{OUT}	B_{OP}	B_{RP}	B_{HYS}	$R_{DS(ON)}$	I_{DD} (mA)	FG	RD	PWM	OTP	Auto Restart	V_{OUT} Clamp	Reverse Protect	Package Type		
		Min.	Max.	(mA)	(Gauss)	(Gauss)	(Gauss)	(Ω)	Typ.										
Switch																			
AICH7010	Hall Effect Switch, Open Drain	2.5	26	25	90	50	40	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L, SSIP-3L	Now	* Sport Machine * Pedal E-Bike * Gaming Key * Note Book * Mobile Phone * Tablet PC
AICH7011	Hall Effect Switch, Open Drain	2.5	26	25	90	70	20	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L	Now	
AICH7012	Hall Effect Switch, Open Drain	2.5	26	25	175	130	45	15	2	-	-	-	-	-	-	◎	SOT23-3L SIP-3L	Now	
AICH7013	Hall Effect Switch, Open Drain	2.5	26	25	85/-85	60/-60	25	15	2.5	-	-	-	-	-	-	◎	SOT23-3L SIP-3L	Now	
AICH7014	Hall Effect Switch, Open Drain	2.5	26	25	25	15	10	15	2	-	-	-	-	-	-	-	SOT23-3L SIP-3L	Now	
AICH7015	Hall Effect Switch, Open Drain	2.5	26	25	30/-30	20/-20	10	15	2.5	-	-	-	-	-	-	-	SOT23-3L SIP-3L	Now	
AICH7016	Hall Effect Switch, Open Drain	2.5	26	25	120/-120	80/-80	40	15	2.5	-	-	-	-	-	-	-	SOT23-3L SIP-3L	Now	
AICH7001	Omnipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	30/-30	20/-20	10	-	0.005	-	-	-	-	-	-	Push-Pull	SOT23-3L SIP-3L, SOT553	Now	
AICH7001E	Omnipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	30/-30	20/-20	10	-	0.005	-	-	-	-	-	-	Push-Pull	SOT23-3L	Now	
AICH7002	Omnipolar Ultra-sensitive Hall Effect Switch	1.65	5.5	10	30/-30	20/-20	10	-	1.5	-	-	-	-	-	-	Push-Pull	SOT23-3L SIP-3L SIP-3B	Now	
AICH7003	Omnipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	30/-30	20/-20	10	-	0.005	-	-	-	-	-	-	Open-Drain	SOT23-3L TSOT23-3L SIP-3L	Now	
AICH7004	Omnipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	30/-30	20/-20	10	-	0.35	-	-	-	-	-	-	Push-Pull	SOT23-3L	Now	
AICH7005	Omnipolar Ultra-sensitive Hall Effect Switch	1.65	5.5	25	30/-30	20/-20	10	-	2.8	-	-	-	-	-	-	Open-Drain	SOT23-3L	Now	
AICH7006	Omnipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	30/-30	20/-20	10	-	0.35	-	-	-	-	-	-	Open-Drain	SOT23-3L	Now	
AICH7007	Omnipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	50/-50	35/-35	15	-	0.005	-	-	-	-	-	-	Push-Pull	SOT23-3L SIP-3L	Now	
AICH7008	Unipolar Ultra-sensitive Hall Effect Switch with Power Saving	1.65	5.5	10	30	20	10	-	0.005	-	-	-	-	-	-	Push-Pull	SOT23-3L SIP-3L, SOT553	Now	
AICH7030S	Unipolar Ultra-sensitive Hall Effect Switch with Power Saving	2.7	5.5	10	30	20	10	-	0.0015	-	-	-	-	-	-	Push-Pull	SOT23-3L SIP-3L, SOT553	Now	
AICH7030N	Unipolar Ultra-sensitive Hall Effect Switch with Power Saving	2.7	5.5	10	-30	-20	10	-	0.0015	-	-	-	-	-	-	Push-Pull	SOT23-3L SIP-3L, SOT553	Now	

Hall Sensor

P/N	Advantage	Electrical Characteristics								Features								Available	Application
		V_{IN} (V)		I_{OUT}	B_{OP}	B_{RP}	B_{HYS}	$R_{DS(ON)}$	I_{DD} (mA)	FG	RD	PWM	OTP	Auto Restart	V_{OUT} Clamp	Reverse Protect	Package Type		
		Min.	Max.	(mA)	(Gauss)	(Gauss)	(Gauss)	(Ω)	Typ.										
Single Coil DC Fan Driver																			
AICH477	Single-Coil BLDC Driver	3.5	20	300	30	-30	60	2.6	3	◎	-	-	◎	-	-	-	SOT23-5L/F SIP-4L SOT23-6F	Now	Single coil DC Fan
AICH477M	Single-Coil BLDC Driver	3.5	20	250	20	-20	40	3.2	3	-	-	-	◎	-	-	◎	SOT23-6F SIP-4L	Now	
AICH477MM	Single-Coil BLDC Driver	3.5	20	210	20	-20	40	5.5	3	◎	-	-	◎	-	-	◎	SOT23-6F SIP-4L	Now	
AICH477K	Single-Coil BLDC Driver for High Voltage	3.5	28	250	20	-20	40	3.2	3	◎	-	-	◎	-	-	◎	SOT23-6F SIP-4L	Now	
AICH477L	Single-Coil BLDC Driver for High Current	3.5	26	500	28	-28	56	1.4	3	-	-	-	-	-	-	-	SIP-4L	Now	
AICH7130	Single-Coil BLDC Driver	3.5	20	260	20	-20	40	3.2	3	◎	-	-	◎	-	-	◎	SOT23-6F SIP-4L	Now	
AICH7131	Single-Coil BLDC Driver	3.5	20	260	20	-20	40	3.2	3	-	-	-	◎	-	-	◎	SOT23-6F	Now	
AICH7132	Single-Coil BLDC Driver with PWM Quickly Start	3.5	20	250	20	-20	40	3.2	3	◎	-	-	◎	-	-	◎	SOT23-6L/F SIP-4L	Now	
AICH479	Single-Coil BLDC Driver	3.5	20	300	25	-25	50	2.6	3	-	-	-	◎	-	-	◎	SIP-4L	Now	
AICH480	Single-Coil BLDC Driver	3.5	20	350	25	-25	50	2.8	3	◎	-	-	◎	-	-	◎	SOT23-6F SIP-4L	Now	
AICH7110	Single-Coil BLDC Driver	3.3	18	400	30	-30	60	2.6	3	◎	-	-	◎	◎	-	-	SIP-4L SOT23-5L/F	Now	
AICH7120	Low Input Voltage Single Phase Hall Effect Smart Fan Driver	2.5	26	350	20	-20	40	2.2	2.5	-	-	-	◎	◎	-	◎	SIP-4L	Now	
AICH7121	Low Input Voltage Single Phase Hall Effect Smart Fan Driver	2.5	26	500	20	-20	40	1.4	2.5	-	-	-	◎	◎	-	-	SIP-4L	Now	
AICH7140	Single-Coil BLDC Driver with PWM Soft Switch	3	20	300	25	-25	50	2.4	3	◎	◎	-	◎	◎	-	◎	SOT23-6L/F SIP-4L	Now	
AICH7141	Single-Coil BLDC Driver with PWM Soft Switch	3	28	200	25	-25	50	2.6	3	-	-	-	◎	◎	-	◎	SIP-4L	Now	
AICH7142	Single-Coil BLDC Driver with PWM Soft Switch	3	20	500	25	-25	50	1.4	3	-	-	-	◎	◎	-	-	SIP-4L	Now	
AICH7143	Single-Coil BLDC Driver with PWM Soft Switch	3	28	300	25	-25	50	1.5	3	-	-	-	◎	◎	-	-	SIP-4L	Now	
AICH7144	Single-Coil BLDC Driver with Lead Angle and PWM Soft Switch	3	20	300	30	-30	60	2.4	3	◎	-	◎	◎	◎	-	◎	SOT23-6L/F	Q3/'23	
AICH7150	Single-Coil BLDC Driver Low noise (soft-switch)	1.8	5.5	500	30	-30	60	0.8	2.2	◎	◎	-	◎	◎	-	◎	SOT23-5L/F	Now	
AICH7151	Single-Coil BLDC Driver Low noise (soft-switch)	1.8	5.5	500	30	-30	60	0.8	3.6	◎	◎	◎	◎	◎	-	◎	SOT23-6L/F TDFN2X2-6L	Now	
AICH7152	Single-Coil BLDC Driver Low noise (soft-switch)	1.8	5.5	500	20	-20	40	0.8	3.6	◎	◎	◎	◎	◎	-	◎	SOT23-6L/F VDFN2x2-6L	Now	
AICH7153	Single-Coil BLDC Driver Low noise (soft-switch)	1.8	5.5	500	20	-20	40	0.8	3.6	◎	◎	◎	◎	◎	-	◎	SOT23-6L/F	Now	

Hall Sensor

P/N	Advantage	Electrical Characteristics								Features								Available	Application
		V_{IN} (V)		I_{OUT}	B_{OP}	B_{RP}	B_{HYS}	$R_{DS(ON)}$	I_{DD} (mA)	FG	RD	PWM	OTP	Auto Restart	V_{OUT} Clamp	Reverse Protect	Package Type		
		Min.	Max.	(mA)	(Gauss)	(Gauss)	(Gauss)	(Ω)	Typ.										
Dual Coil DC Fan Driver																			
AICH211F	Dual-Coil BLDC Driver	4	20	400	28	-28	56	1.4	3.5	◎	-	-	◎	-	32V	◎	SIP-4L	Now	Dual coil DC Fan
AICH211K	Dual-Coil BLDC Driver	4	20	400	28	-28	56	1.4	3.5	◎	-	-	◎	◎	32V	◎	SIP-4L	Now	
AICH266	Dual-Coil BLDC Driver	3.5	28	300	30	-30	60	2.3	3.5	-	-	-	◎	-	58V	◎	SIP-4L	Now	
AICH276	Dual-Coil BLDC Driver	3.3	18	400	25	-25	50	1.4	3.5	-	-	-	◎	-	32V	◎	SIP-4L	Now	
AICH277	Dual-Coil BLDC Driver	3.3	18	400	25	-25	50	1.4	3.5	-	-	-	◎	-	32V	◎	SIP-4L SOT23-5F	Now	
AICH277H	Dual-Coil BLDC Driver	4	20	400	28	-28	56	1.4	3.5	-	-	-	◎	-	32V	◎	SIP-4L	Now	
AICH278	Dual-Coil BLDC Driver	3.5	20	400	28	-28	56	1.4	3.5	-	-	-	◎	-	32V	◎	SIP-4L	Now	
AICH280	Dual-Coil BLDC Driver	4	20	400	28	-28	56	1.4	3.5	◎	-	-	◎	-	32V	◎	SOT23-6F	Now	
AICH284	Dual-Coil BLDC Driver	3.5	18	600	30	-30	60	0.9	3.5	-	-	-	◎	-	32V	◎	SIP-4L	Now	
AICH382	Dual-Coil BLDC Driver	3.5	28	300	20	-20	40	1.4	3.5	-	-	-	◎	-	58V	◎	SIP-4L	Now	
AICH7201	Dual-Coil BLDC Driver	3.5	20	600	30	-30	60	0.9	3.5	-	-	-	◎	-	32V	◎	SIP-4L	Now	
AICH7202	Dual-Coil BLDC Driver	3.5	28	300	30	-30	60	2.4	3.5	-	-	-	◎	-	58V	◎	SIP-4L	Now	
AICH7210	Dual-Coil BLDC Driver	3.5	18	600	30	-30	60	0.9	3.5	-	-	-	◎	◎	32V	◎	SIP-4L	Now	
AICH7212	Dual-Coil BLDC Driver	2.5	18	600	20	-20	40	0.9	2.5	-	-	-	◎	◎	32V	◎	SIP-4L	Now	
AICH7220	Dual-Coil BLDC Driver	3.5	28	300	30	-30	60	2.4	3.5	-	-	-	◎	◎	58V	◎	SIP-4L	Now	
AICH7221	Dual-Coil BLDC Driver	3.5	28	300	20	-20	40	1.3	3.5	-	-	-	◎	◎	58V	◎	SIP-4L	Now	
AICH7610	Dual-Coil BLDC Driver	4	20	600	30	-30	60	0.8	3.5	◎	◎	-	◎	◎	32V	◎	SIP-4L	Now	
AICH7611	Dual-Coil BLDC Driver	4	20	400	30	-30	60	0.8	3.5	-	-	-	◎	◎	32V	◎	SIP-3L SOT23-3L	Now	
AICH7620	Dual-Coil BLDC Driver	4	28	300	30	-30	60	2.3	3.5	◎	◎	-	◎	◎	58V	◎	SIP-4L	Now	

Hall Sensor

P/N	Advantage	Electrical Characteristics								Features								Available	Application
		V_{IN} (V)		I_{OUT}	B_{OP}	B_{RP}	B_{HYS}	$R_{DS(ON)}$	I_{DD} (mA)	FG	RD	PWM	OTP	Auto Restart	V_{OUT} Clamp	Reverse Protect	Package Type		
		Min.	Max.	(mA)	(Gauss)	(Gauss)	(Gauss)	(Ω)	Typ.										
Linear																			
AICH49EC	Linear Hall Effect sensor	2.8	5.5	20	2mV/G	MAX ±1150G		20	4	-	-	-	-	-	-	◎	SOT23-3L	Now	* Current Sensing * Position Sensing * Keyboard * Rotary Encoder
AICH49ECB	Linear Hall Effect sensor	2.8	5.5	20	2mV/G	MAX ±1150G		20	4	-	-	-	-	-	-	◎	SOT23-3L	Q1/'23	
AICH7918	Linear Hall Effect sensor	2.8	5.5	20	1.1mV/G	MAX ±2091G		20	4	-	-	-	-	-	-	◎	SOT23-3L SIP-3L	Now	
AICH7919	Low Noise Linear Hall Effect sensor	2.8	5.5	20	1, 2, 4, 5, 10mV/G			20	3.1	-	-	-	-	-	-	◎	SOT23-3L VDFN1.6x1.6-6L	Q2/'23	
AICH7920	Linear Hall Effect sensor	2.8	5.5	20	2mV/G	MAX ±1150G		20	4	-	-	-	-	-	-	◎	SOT23-3L SOT553 VDFN1.6x1.6-6L	Now	
AICH7929	Low Noise Linear Hall Effect sensor	2.8	5.5	20	1, 2, 4, 5, 10mV/G			20	3.1	-	-	-	-	-	-	◎	SOT23-3L VDFN1.6x1.6-6L	Q2/'23	
AICH7929B	Low Noise Linear Hall Effect sensor	2.8	5.5	20	4mV/G	MAX ±575G		20	3.1	-	-	-	-	-	-	◎	SOT23-3L	Q1/'23	
AICH7950	Dual Outputs Linear Hall Effect sensor	2.8	5.5	20	5mV/G	MAX ±460G		20	6.5	-	-	-	-	-	-	◎	SIP-4L	Now	
AICH7951	Four Outputs Linear Hall Effect sensor	2.8	5.5	20	5mV/G	MAX ±460G		20	11	-	-	-	-	-	-	◎	SOP-8L	Now	
AICH7952	Dual Outputs Linear Hall Effect sensor	2.8	5.5	20	5mV/G	MAX ±460G		20	6.5	-	-	-	-	-	-	◎	SIP-4L	Now	
AICH7953	Dual Outputs Linear Hall Effect sensor	2.8	5.5	20	5mV/G	MAX ±460G		20	6.5	-	-	-	-	-	-	◎	SOT23-5L	Now	
AICH7954	Dual Outputs Linear Hall Effect sensor	2.8	5.5	20	5mV/G	MAX ±460G		20	6.5	-	-	-	-	-	-	◎	DFN3x3-8L	Now	

Hall Sensor

P/N	Advantage	Electrical Characteristics								Features								Available	Application
		V_{IN} (V)		I_{OUT}	B_{OP}	B_{RP}	B_{HYS}	$R_{DS(ON)}$	I_{DD} (mA)	FG	RD	PWM	OTP	Auto Restart	V_{OUT} Clamp	Reverse Protect	Package Type		
		Min.	Max.	(mA)	(Gauss)	(Gauss)	(Gauss)	(Ω)	Typ.										
Hall Element																			
AICH7930	Linear Hall Element sensor	1.65	5.5	20	2.2mV/G	MAX ±1150G		20	4	-	-	-	-	-	-	◎	SOT23-5L/F SIP-4L	Now	* BLDC Motor * White Goods * E-Tools * Consumer * E-Toys

MOSFETs Cross Reference

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN1101	DFN-3 (1.0x0.6)	NMOS	Yes	20	±10	1.2	0.76		500	700	900 1800@1.5V	1	DMN26D0UFB4
AICN1619	TDFN-6 (2x3)	Dual NMOS	Yes	24	±10	11.4			8.2	10.2		1	STF8223
AICN1804GD8E	DFN-8 (3.3x3.3)	PMOS	Yes	-30	±25	-54		7.5	11.5			-3	DMP3007SFG
AICN1806GD8E	DFN-8 (3.3x3.3)	PMOS	No	-60	±20	-31		28	35			-3	DMP6023LFG
AICN1808GQ8A	PDFN-8 (3.3x3.3)	PMOS	No	-30	±20	-39		9	16			-2.5	MTB9D0P03V8
AICN1812GQ8C	PDFN-8 (5x6)	PMOS	No	-30	±20	-47	-30	10.5	18.5			-2.5	Si7143DP
AICN1814GQ8A	PDFN-8 (3.3x3.3)	PMOS	No	-30	±20	-25.6		21	36			-2.5	Si7619DN
AICN1821GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	59		5	8			2.5	DMT10H010LPS
AICN1829GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	160	104	2.5	4.5			2.5	DMT6004LPS
AICN1849GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	60	±20	39	24.8	9	15			4	STL11N6F7
AICN1857GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	60	±20	40		8.5	15.6			3	CSD18543Q3A
AICN2001GU3P	SOT23P-3	NMOS	Yes	100	±20	0.18		6000	9000			2.5	AP2320N,BSS123
AICN2132AGU3	SOT23-3	PMOS	No	-20	±12	-4.3			30	42	68	-1	AO6409,Si3493DV
AICN2302GU3	SOT23-3	NMOS	No	20	±12	4.2	2.6		37	45		1	Si2302
AICN2307GU3	SOT23-3	PMOS	No	-30	±20	-3	-2	80	140			-3	Si9435,Si2307DS
AICN2313GU3P	SOT23P-3	PMOS	Yes	-60	±20	-0.35	-0.22	3300	4000			-2	TP0610K
AICN2319GU3	SOT23-3	NMOS	Yes	20	±12	6.8	4.3		20	27		1.1	AO3416
AICN3400GU3	SOT23-3	NMOS	No	30	±12	4.1	2.6	32	37	57		1.5	AO3400
AICN3407GU3	SOT23-3	PMOS	No	-30	±20	-3	-1.9	60	100			-2	Si9435,Si2307DS
AICN4004GS8	SOP-8	PMOS	No	-30	±20	-11	-7	10.5	16			-2	DMG4407SSS
AICN4009GS8	SOP-8	NMOS	No	60	±20	9.2	5.8	15.5	31			3	DMT6016LSS
AICN4010GS8	SOP-8	PMOS	No	-30	±20	-14.6	-9	6.25	9			-2	DMP3015LSS,DMG4413LSS
AICN4011GS8	SOP-8	NMOS	No	30	±20	16	10	5.3	7.3			2	DMN3007LSS
AICN4013GS8	SOP-8	NMOS	No	30	±20	13	8.7	7	10.5			2	DMN3010LSS
AICN4503GS8	SOP-8	Dual NMOS	Yes	36	±20	6.2	3.9	35	52			2.5	SP8K2
AICN4713GS8	SOP-8	Complementary N+P	No	±30	±20	6/-4.5	3.9/-2.8	35/65	55/120			±2.2	AO4627
AICN4946GS8	SOP-8	Dual NMOS	No	60	±20	6.2	3.9	34	45			2.5	ME4946
AICN4953GS8	SOP-8	Dual PMOS	No	-30	±20	-5.1	-3.2	50	80			-2	AP4953GM,P06B03LVG
AICN5207GE3	TO252-3	NMOS	No	60	±20	24	15	56	65			2.5	AP9971AGH
AICN5208GE3	TO252-3	PMOS	No	-30	±20	-48	-30	10	16			-3	MTD9D0P03J3
AICN5223GE3	TO252-3	NMOS	No	100	±20	11	6.9	140	150			3	MTN9971J3
AICN5231GE3	TO252-3	NMOS	No	30	±20	48	46	6	9			2	MTB4D0N03BJ3
AICN5302GE4	TO252-4	Complementary N+P	No	±60	±20	23/-17.8	14.8/-11.3	43/73	47/100			±2.5	WSF6012
AICN6211GT3	TO220-3	NMOS	No	40	±20	105		2.9	3.7			2.2	AOT240L

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	IDS (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN002P03GQ8C	PDFN-8 (5x6)	PMOS	No	-30	±20	-150	-94	2.3	4.9			-3	
AICN003N12GM7	TO263-7	NMOS	No	120	±20	175		3.2	4.1@6V			4	
AICN004N03CGT8	TOLL-8	NMOS	No	30	±20	400	398	0.52	0.94			2	
AICN004N03GP4	LFPAK	NMOS	No	30	±20	300	300	0.42	0.78			2	
AICN004N04GT8	TOLL-8	NMOS	No	40	±20	400	379	0.58	0.78@6V			3.5	
AICN004N04LGT8	TOLL-8	NMOS	No	40	±20	400	371	0.58	0.98			2.5	
AICN005N03GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	200	200	0.54	0.85			2	
AICN005N04GQ8G	PDFN-8 (8x8)	NMOS	No	40	±20	300	300	0.6	1.05			2	
AICN005N04HGP4	LFPAK	NMOS	No	40	±20	325	325	0.66	1.85@6V			4	
AICN005N04HGQ8G	PDFN-8 (8x8)	NMOS	No	40	±20	300	283	0.8	1.6@6V			4	
AICN005N04HGT8	TOLL-8	NMOS	No	40	±20	400	352	0.7	1.82@6V			4	
AICN005N04LGP4	LFPAK	NMOS	No	40	±20	325	300	0.48	0.85			2	
AICN005N04LGT8	TOLL-8	NMOS	No	40	±20	542	383	0.6	1.1			2	
AICN005N04STL		NMOS	No	40	±20	350	266	0.6	1.05			2.5	
AICN006N03CGT8	TOLL-8	NMOS	No	30	±20	394	278	0.72	1.3			2	
AICN006N03GP4	LFPAK	NMOS	No	30	±20	300	300	0.6	1.05			2	
AICN006N04GM7	TO263-7	NMOS	No	40	±20	350	350	0.72	1.2			2.5	
AICN006N04GT8	TOLL-8	NMOS	No	40	±20	300	300	0.6	1.05			2.5	
AICN006N04HGT8	TOLL-8	NMOS	No	40	±20	300	300	0.65	1.27@6V			4	
AICN006N06GM7	TO263-7	NMOS	No	60	±20	350	700	0.78	1.3@6V			4	
AICN006N06GT8	TOLL-8	NMOS	No	60	±20	400	362	0.75	1.38@6V			4	
AICN006N06MGT8	TOLL-8	NMOS	No	60	±20	300	300	0.72	1.3			3	
AICN007N03GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	502	1000	0.6	0.95			2	
AICN007N04GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	145	94	1.26	3.64 @6V			4	
AICN007N06CGT8	TOLL-8	NMOS	No	60	±20	400	289	0.96	1.56			2.5	
AICN007N06GP4	LFPAK	NMOS	No	60	±20	300	300	0.8	1.3			2.5	
AICN007N08GM7	TO263-7	NMOS	No	80	±20	300	300	0.76	1.21@6V			4	
AICN007N08GT8	TOLL-8	NMOS	No	80	±20	500	355	0.9	1.5@6V			4	
AICN008N03GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	430	1000	0.7	1.1			2	
AICN008N04BGM7	TO263-7	NMOS	No	40	±20	150	150	1	1.98 @6V			4	
AICN008N04GM3	TO263-3	NMOS	No	40	±20	120	120	1.1	1.6			3	
AICN008N04GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	200		0.65	1.08			2	
AICN008N04GT8	TOLL-8	NMOS	No	40	±20	400		1.05	1.45			2	
AICN008N04HGM3	TO263-3	NMOS	No	40	±20	120	120	1.1	1.7 @6V			4	
AICN008N04HGT8	TOLL-8	NMOS	No	40	±20	160	160	0.9	1.9 @6V			4	
AICN009N03GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	271	171	0.9	1.65			2	
AICN009N04GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	297	210	1	3.1 @6V			4	
AICN009N04GT8	TOLL-8	NMOS	No	40	±20	310	225	1.08	1.82			3	
AICN009N06GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	320	320	1.05	1.69			2.5	
AICN009N06LGQ8G	PDFN-8 (8x8)	NMOS	No	60	±20	300	256	0.9	1.8			2.5	
AICN009N10GT8	TOLL-8	NMOS	No	100	±20	300	266	1.25	2 @6V			4	
AICN010N04GM3	TO263-3	NMOS	No	40	±20	180	177	1.68	2.4			2	

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN010N04GP4	LFPAK	NMOS	No	40	±20	300	300	0.9	1.5			2	
AICN010N04GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	200	200	1.1	1.7			2	
AICN010N04GT3	TO220-3	NMOS	No	40	±20	180	177	1.75	2.5			2	
AICN010N04GT8	TOLL-8	NMOS	No	40	±20	370	261	1.02	1.56			2	
AICN0110GM7	TO263-7	NMOS	No	100	±20	300	217	1.2	1.9			4	
AICN0110MGM7	TO263-7	NMOS	No	100	±20	300	186	1.3	1.9			3	
AICN011N06GM3	TO263-3	NMOS	No	60	±20	200	200	1.7	2.4			3	
AICN011N06GM7	TO263-7	NMOS	No	60	±20	150	150	1.2	1.8			3	
AICN011N06GT8	TOLL-8	NMOS	No	60	±20	300	300	1	1.66			3	
AICN018N06CGT8	TOLL-8	NMOS	No	60	±20	229	162	2.16	3			2.5	
AICN018N06HGT8	TOLL-8	NMOS	No	60	±20	222	157	2.4	3.4@6V			4	
AICN018P04GM7	TO263-7	NMOS	No	-40	±20	-175	-166	3	4.6			-2.5	
AICN01N10GT8	TOLL-8	NMOS	No	100	±20	300	300	1.4	2 @6V			4	
AICN01N10MGT8	TOLL-8	NMOS	No	100	±20	300	277	1.3	2			3	
AICN01N12GT8	TOLL-8	NMOS	No	120	±20	260	185	2.4	3.3@6V			4	
AICN020N06GM3	TO263-3	NMOS	No	60	±20	144	131	2.6	3.5			3	
AICN020N06GT3	TO220-3	NMOS	No	60	±20	157	131	2.7	3.5			3	
AICN028N12CGT8	TOLL-8	NMOS	No	120	±20	217	153	3.2	4.2@6V			4	
AICN0303GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	75	48	3.7	7.2			2	
AICN035N12GM3	TO263-3	NMOS	No	120	±20	150	111	3.8	4.9@6V			4	
AICN035N12GR3	TO247-3	NMOS	No	120	±20	164	116	3.7	4.7@6V			4	
AICN035N12GT3	TO220-3	NMOS	No	120	±20	175	113	3.8	4.9@6V			4	
AICN035N12GT8	TOLL-8	NMOS	No	120	±20	211	149	3.4	4.4 @6V			4	
AICN035N15GT8	TOLL-8	NMOS	No	150	±20	203	143	3.8	4.8@6V			4	
AICN03N10GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	100		3.3	4.5 @6V			4	
AICN03N10MGM3	TO263-3	NMOS	No	100	±20	90	90	3.7	5.7			3	
AICN03N10MGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	90	56	3.4	4.8			3	
AICN040N15CGT8	TOLL-8	NMOS	No	150	±20	164	116	4.8	5.9@6V			4	
AICN0415GT8	TOLL-8	NMOS	No	150	±25	112	79	6.8	8.2@6V			4	
AICN045N15GT8	TOLL-8	NMOS	No	150	±20	117	74	6	8@6V			4	
AICN0512GM7	TO263-7	NMOS	No	120	±20	120	120	6	8 @6V			4	
AICN0512GT8	TOLL-8	NMOS	No	120	±20	115	73	6.3	8.1@6V			4	
AICN0515GM7	TO263-7	NMOS	No	150	±25	138	98	5.4	6.5 @6V			4	
AICN0515GT8	TOLL-8	NMOS	No	150	±25	170	120	5.4	6.5 @6V			4	
AICN055N15GM3	TO263-3	NMOS	No	150	±20	155	98	6	8@6V			4	
AICN055N15GT3	TO220-3	NMOS	No	150	±20	155	98	6	8@6V			4	
AICN05N20GR3	TO247-3	NMOS	No	200	±20	165	118	4.8	5.5 @6V			4	
AICN0810MGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	88		8.7	14.6			3	
AICN08N20GM3	TO263-3	NMOS	No	200	±20	107	68	8.3	9.3@6V			4	
AICN08N20GR3	TO247-3	NMOS	No	200	±20	113	80	7.9	10@6V			4	
AICN08N20GT3	TO220-3	NMOS	No	200	±20	107	67	8.3	9.3@6V			4	
AICN08N20GT8	TOLL-8	NMOS	No	200	±20	114	81	7.7	8.8 @6V			4	

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25℃	TC=100℃	10V	4.5V	2.5V	1.8V		
AICN1101	DFN-3 (1.0x0.6)	NMOS	Yes	20	±10	1.2	0.76		500	700	900 1800@1.5V	1	DMN26D0UFB4
AICN138GU3P	SOT23P-3	NMOS	Yes	50	±20	0.5		1600	2500			1.5	
AICN150N15GM3	TO263-3	NMOS	No	150	±25	90	66	6.5	7.8 @6V			4	
AICN1619	TDFN-6 (2x3)	Dual NMOS	Yes	24	±10	11.4			8.2	10.2		1	STF8223
AICN1621GQ8C	PDFN-8 (5x6)	Dual NMOS	Yes	40	±20	28		29	46			2.5	
AICN1623TGQ8C	PDFN-8 (5x6)	Dual NMOS	No	30	±20	10		15	26			2	
AICN1625GQ8A	PDFN-8 (3.3x3.3)	Dual NMOS	No	30	±20	33		12	20			2	
AICN1627GQ8A	PDFN-8 (3.3x3.3)	Dual NMOS	Yes	30	±20	16.5	16.5	17	26			2.5	
AICN1629GQ8C	PDFN-8 (5x6)	Dual NMOS	No	100	±20	31		18	28			3	
AICN1631GQ8A	PDFN-8 (3.3x3.3)	Dual NMOS	No	100	±20	9		125	135			2.5	
AICN1637GQ8C	PDFN-8 (5x6)	Dual NMOS	No	100	±20	7.5	4.8	125	135			2.5	
AICN1639GQ8C	PDFN-8 (5x6)	Dual NMOS	No	100	±20	9.4	5.9	80	90			2.5	
AICN1700GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±40	±20	29/-23	18/-14.8	27/43	38/65			±2.3	
AICN1701GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±30	±20	42/-28	27/-18	13/29	21/50			±2	
AICN1702GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±60	±20	25/-15	16/-9	35/100	45/132			±2.5	
AICN1703AGQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±30	±20	16/-16	13/-12	29/34	50/55			±2	
AICN1703GQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±30	±20	16/-16	13/-12	29/34	50/55			±2	
AICN1704AGQ8D	PDFN-8 (5x6)	Complementary N+P	No	±40	±20	36/-26	28/-16	13/34	18/53			±2	
AICN1704GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±40	±20	44/-27	28/-17	12/32	17/45			±2	
AICN1705Q8F	PDFN-8 (3x3)	Complementary N+P	No	±40	±20	17/-17	13.8/-12.5	29/35	37/52			±2	
AICN1706AGQ8D	PDFN-8 (5x6)	Complementary N+P	No	±30	±20	37/-23	23/-14	8.5/23	11.5/34			±2.5	
AICN1706GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±30	±20	39/-22	25/-14	7.5/25	10.5/42			±2.5	
AICN1707GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±100	±20	13.3/-10.8	8.5/-6.9	130/200	145/230			±2.5	
AICN1708AGQ8D	PDFN-8 (5x6)	Complementary N+P	No	±60	±20	24/-19	15.5/-12.4	39/61	46/79			2.5/-2.2	
AICN1708GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±60	±20	26/-18	16.6/-12	34/67	45/88			2.5/-2.2	
AICN1709GQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±30	±20	20/-20	19.5/-13.5	14.5/30	22/50			±2	
AICN1710GQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	Yes/No	±40	±20	20/-17.7	14/-11.2	28/44	50/67			3/-2.5	
AICN1711GQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±40	±20	20/-16	13.8/-10.6	29/49	45/70			2.5/-2.5	
AICN1712GQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±30	±20	20/-15	14.6/-10	26/55	41/85			±2	
AICN1713GQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±30	±20	20/-17	14.6/-10.8	26/47	41/72			±2	
AICN1714AGQ8B	PDFN-8 (3.3x3.3)	Complementary N+P	No	±60	±20	15.7/-12.2	9.9/-7.8	40/66	50/85			±2.5	
AICN1714GD8B	DFN-8 (3x3)	Complementary N+P	No	±60	±20	17/-14	11/-9	40/66	50/85			±2	
AICN1715GQ8D	PDFN-8 (5x6)	Complementary N+P	No	±100	±20	6.8/-12	4.3/-7.6	125/75	135/85			±2.5	
AICN1802	PQFN-8 (5x6)	PMOS	No	-20	±12	-100		2.4	2.9	4.3		-0.9	
AICN1804GD8E	DFN-8 (3.3x3.3)	PMOS	Yes	-30	±25	-54		7.5	11.5			-3	DMP3007SFG
AICN1806GD8E	DFN-8 (3.3x3.3)	PMOS	No	-60	±20	-31		28	35			-3	DMP6023LFG
AICN1808GQ8A	PDFN-8 (3.3x3.3)	PMOS	No	-30	±20	-39		9	16			-2.5	MTB9D0P03V8
AICN180P10GP4	LFPAK	PMOS	No	-100	±20	-90	-63	20.5	23.5			-2	
AICN180P10GQ8C	PDFN-8 (5x6)	PMOS	No	-100	±20	-73	-51	20	24			-2.5	
AICN18103GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	100	63	5.6	11			3	
AICN18105GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	78	49	7.8	12.3			3	
AICN18107GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	39	24	14	22			3	

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN18109GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	33	21	15	20			2	
AICN1810GQ8C	PDFN-8 (5x6)	PMOS	No	-30	±20	-33	-21	21	36			-2.5	
AICN18111GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	111	70	2.5	5.4			3	
AICN18113GD8E	DFN-8 (3.3x3.3)	NMOS	No	100	±20	51	32	10	14			3	
AICN1812AGQ8C	PDFN-8 (5x6)	PMOS	No	-30	±20	-47	-30	10.5	18.5			-2.5	
AICN1812GQ8C	PDFN-8 (5x6)	PMOS	No	-30	±20	-47	-30	10.5	18.5			-2.5	Si7143DP
AICN1813GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	100		1.8	2.9			2.5	
AICN1814GQ8A	PDFN-8 (3.3x3.3)	PMOS	No	-30	±20	-25.6		21	36			-2.5	Si7619DN
AICN1815GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	100		2.1	3.4			2.5	
AICN1816GQ8C	PDFN-8 (5x6)	PMOS	No	-100	±20	-10	-6.9	200	220			-2.5	
AICN1817GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	44		12	26			2.4	
AICN1818GQ8C	PDFN-8 (5x6)	PMOS	No	-100	±20	-21	-13	73	83			-2	
AICN1819GQ8C	PDFN-8 (5x6)	NMOS	No	20	±10	124		1.5	1.7	2.5		1	
AICN1821AGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	54		6				4	
AICN1821BGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	54	34	6	8.5			3	
AICN1821CGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	54	34	6	8.5			3	
AICN1821GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	59		5	8			2.5	DMT10H010LPS
AICN1823GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	61	38	4.7	7.2			2.5	
AICN1825BGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	44	28	9	13.5			3	
AICN1825GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	45		8.5	12			2.5	
AICN1827BGQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	38	24	11.8	17.5			3	
AICN1827GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	40		10.8	15.6			2.5	
AICN1829GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	160	104	2.5	4.5			2.5	DMT6004LPS
AICN1833AGQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	100		2.3	3.4			2	
AICN1833BGQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	100		2.3	3.4			2	
AICN1833CGQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	100	64	2.3	3.4			2	
AICN1833GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	82		3.4	5.2			2.5	
AICN1835GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	110		1.9	3			2.5	
AICN1837GD8E	DFN-8 (3.3x3.3)	NMOS	No	20	±12	54			3.2	4.5		1	
AICN1839BGQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	52	33.7	6.25	11			3	
AICN1841AGQ8A	PDFN-8 (3.3x3.3)	NMOS	No	30	±20	49		5.7	8.5			2	
AICN1841GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	30	±20	48		6	9			2	
AICN1843GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	62		6	9			2	
AICN1845GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	50.9	32.4	9	14.3 @ 6V			4	
AICN1847GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	37	23.5	17	32 @ 6V			4	
AICN1849GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	60	±20	39	24.8	9	15			4	STL11N6F7
AICN1851GD8E	DFN-8 (3.3x3.3)	NMOS	No	60	±20	56		6.6	11			4	
AICN1857GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	60	±20	40		8.5	15.6			3	CSD18543Q3A
AICN1859GQ8C	PDFN-8 (5x6)	NMOS	No	80	±20	56	36	7.2	12			3	
AICN1861GQ8C	PDFN-8 (5x6)	NMOS	No	80	±20	45	29	11.3	19			3	
AICN1863GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	13	8.7	125	135			2.5	
AICN1865AGQ8C	PDFN-8 (5x6)	NMOS	No	150	±25	46	29	53	63@6V			4	

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN1865GQ8C	PDFN-8 (5x6)	NMOS	No	150	±25	46	29	53	63@6V			4	
AICN1867GQ8C	PDFN-8 (5x6)	NMOS	No	45	±20	96	60	2.9	4.3			2	
AICN1869GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	58	37	6.9	11.7			2	
AICN1871GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	52	33	8.5	15.5			3	
AICN1873GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	65	41	5.4	7.8			2	
AICN1875GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	78	50	3.8	6.1			2	
AICN1877GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	52	33	8.5	14.3			2	
AICN1879GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	105		2.1	3.2			2	
AICN1881AGQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	139	88	1.2	1.8			3	
AICN1881GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	139		1.2	1.8			2	
AICN1883GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	30	±20	43		7.2	11.7			2	
AICN1885GD8E	DFN-8 (3.3x3.3)	NMOS	No	30	±20	64	59	3.1	4.5			2	
AICN1887GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	30	±20	64	40	4.4	6.8			2	
AICN1889GQ8C	PDFN-8 (5x6)	NMOS	No	80	±20	78	49	3.75	5			3.5	
AICN1891GD8E	DFN-8 (3.3x3.3)	PMOS	No	-20	±12	-54		6.6	9.5			-1	
AICN1893GQ8C	PDFN-8 (5x6)	PMOS	No	-60	±20	-71	-45	6.8	9			-2	
AICN1895GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	120	77	1.6	3.3			3.5	
AICN1897GQ8C	PDFN-8 (5x6)	NMOS	No	120	±20	99	62	7.2	8.7 @ 6V			4	
AICN1R5N03GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	30	±20	161	113	1.7	2.8			2	
AICN1R5N03GQ8C	PDFN-8 (5x6)	NMOS	No	30	±20	100	78.5	1.8	3			2	
AICN1R5N04GQ8C	PDFN-8 (5x6)	NMOS	No	40	±20	164	103	1.7	3.1			3	
AICN1R5N06GQ8C	PDFN-8 (5x6)	NMOS	No	60	±20	176	125	1.9	2.6@6V	3.8@4.5V		3	
AICN1R5N08CGT8	TOLL-8	NMOS	No	80	±20	278	197	1.8	2.8@6V			4	
AICN1R5N08GP4	LFPAK	NMOS	No	80	±20	300	229	1.6	2.4			2	
AICN1R5N08GQ8C	PDFN-8 (5x6)	NMOS	No	80	±20	200	178	1.8	2.7			2	
AICN1R5N10DGM3	TO263-3	NMOS	No	100	±20	120	120	2.1	2.9@6V			4	
AICN1R5N10GT3	TO220-3	NMOS	No	100	±20	120	120	2.1	2.9@6V			4	
AICN1R7N03	DFN-8 (5x6)	NMOS	No	30	±20	147	93	1.53	2.63			2	
AICN1R7N04Q8E	PDFN-8 (3x3)	NMOS	No	40	±20	118		2	3.1			2	
AICN1R8N06GP4	LFPAK	NMOS	No	60	±20	234	166	2.1	2.6			2.5	
AICN1R8N06HGP4	LFPAK	NMOS	No	60	±20	232	164	2.2	3.3@6V			4	
AICN1R9N03GP4	LFPAK	NMOS	No	30	±20	75	75	2.3	3.6			2	
AICN2001GU3P	SOT23P-3	NMOS	Yes	100	±20	0.18		6000	9000			2.5	AP2320N,BSS123
AICN2015	PDFN-6 (2x5)	Dual NMOS	Yes	12	±10	19			6	8.1		1	
AICN2121GU3	SOT23-3	NMOS	No	30	±20	4.2	2.7	30	48			2	
AICN2132AGU3	SOT23-3	PMOS	No	-20	±12	-4.3			30	42	68	-1	AO6409,Si3493DV
AICN2302GU3	SOT23-3	NMOS	No	20	±12	4.2	2.6		37	45		1	Si2302
AICN2303GU3	SOT23-3	NMOS	No	100	±20	1.7	1.1	136	143			2.5	
AICN2304GU3	SOT23-3	PMOS	No	-100	±20	-1.1	-0.73	300	330			-2.5	
AICN2307GU3	SOT23-3	PMOS	No	-30	±20	-3	-2	80	140			-3	Si9435,Si2307DS
AICN2308GU3	SOT23-3	NMOS	No	60	±20	2.5	1.6	75	100			2	
AICN2309GU3	SOT23-3	NMOS	No	20	±12	4.4			35	48		1	

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN2311GU3	SOT23-3	NMOS	Yes	20	±10	4.5	2.8		27	35	54	1	
AICN2313GU3P	SOT23P-3	PMOS	Yes	-60	±20	-0.35	-0.22	3300	4000			-2	TP0610K
AICN2319GU3	SOT23-3	NMOS	Yes	20	±12	6.8	4.3		20	27		1.1	AO3416
AICN2704AGU6	SOT23-6	Complementary N+P	No	±30	±20	3.9/-2.9	2.5/-1.8	35/65	55/100			±2.5	
AICN2R0N08GQ8C	PDFN-8 (5x6)	NMOS	No	80	±20	100	100	2.6	3.8@6V			4	
AICN2R2N04GE3	TO252-3	NMOS	No	40	±20	60	60	2.5	4			2	
AICN2R2N04GQ8A	PDFN-8 (3.3x3.3)	NMOS	No	40	±20	80	57	2.52	4			2	
AICN2R5P04GP4	LFPAK	PMOS	No	-40	±20	-265	-187	3	4.7			-2	
AICN300N03GM7	TO263-7	NMOS	No	30	±20	150	150	0.48	1.1			2	
AICN3099GU3	SOT23-3	NMOS	Yes	30	±12	1.1	0.7	408	518	800		1.5	
AICN3400GU3	SOT23-3	NMOS	No	30	±12	4.1	2.6	32	37	57		1.5	AO3400
AICN3401GU3	SOT23-3	PMOS	No	-30	±12	-4.3	-2.7	50	60	90		-1.4	
AICN3407GU3	SOT23-3	PMOS	No	-30	±20	-3	-1.9	60	100			-2	Si9435,Si2307DS
AICN3415DGU3	SOT23-3	PMOS	Yes	-20	±8	-3.5			43	60	80	-1	
AICN3415GU3	SOT23-3	PMOS	Yes	-20	±8	-4			37	52	72	-1	
AICN3R5N10GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	107	76	4.9	8.1			3	
AICN3R6N10GQ8C	PDFN-8 (5x6)	NMOS	No	100	±20	108	76	4.8	8.5			3	
AICN4004GS8	SOP-8	PMOS	No	-30	±20	-11	-7	10.5	16			-2	DMG4407SSS
AICN4007GS8	SOP-8	NMOS	No	60	±20	12.7	8	8.2	15.4			3	
AICN4008GS8	SOP-8	NMOS	No	100	±20	11	7	10.5	14			2.5	
AICN4009GS8	SOP-8	NMOS	No	60	±20	9.2	5.8	15.5	31			3	DMT6016LSS
AICN400N03GM7	TO263-7	NMOS	No	30	±20	150	150	0.34	0.81			2	
AICN400N04GM7	TO263-7	NMOS	No	40	±20	150	150	0.6	1.22			2.5	
AICN4010GS8	SOP-8	PMOS	No	-30	±20	-14.6	-9	6.25	9			-2	DMP3015LSS,DMG4413LSS
AICN4011GS8	SOP-8	NMOS	No	30	±20	16	10	5.3	7.3			2	DMN3007LSS
AICN4012GS8	SOP-8	PMOS	No	-30	±20	-7.9	-5	21	34			-2.5	
AICN4013GS8	SOP-8	NMOS	No	30	±20	13	8.7	7	10.5			2	DMN3010LSS
AICN4015GS8	SOP-8	NMOS	No	150	±25	4.2	2.6	53	63 @6V			4	
AICN4503GS8	SOP-8	Dual NMOS	Yes	36	±20	6.2	3.9	35	52			2.5	SP8K2
AICN4504GS8	SOP-8	Dual NMOS	No	30	±20	7.7	4.9	22	30			2	
AICN4505GS8	SOP-8	Dual NMOS	No	30	±20	6.7	4.2	29	48			2	
AICN4506GS8	SOP-8	Dual NMOS	No	40	±20	8.7	5.5	17.5	24			2	
AICN4507GS8	SOP-8	Dual NMOS	No	30	±20	10.5	6.6	12	19			2	
AICN4711AGS8	SOP-8	Complementary N+P	No	±30	±20	6/-4.5	3.9/-2.8	35/65	55/120			±2.2	
AICN4711GS8	SOP-8	Complementary N+P	No	±32	±20	6/-4.5	3.9/-2.8	35/65	55/120			±2.2	
AICN4712AGS8	SOP-8	Complementary N+P	No	±40	±20	5.4/-4.8	3.4/-3	35/50	55/75			±2.5	
AICN4712GS8	SOP-8	Complementary N+P	No	±40	±20	6/-5.1	3.9/-3.2	35/50	55/75			±2.2	
AICN4713GS8	SOP-8	Complementary N+P	No	±30	±20	6/-4.5	3.9/-2.8	35/65	55/120			±2.2	AO4627
AICN4714GS8	SOP-8	Complementary N+P	No	±30	±20	9.4/-6.6	5.9/4.2	15/30	26/58			±2	
AICN4715GS8	SOP-8	Complementary N+P	No	±40	±20	6.6/-5.1	4.2/-3.2	30/50	36/70			±2.3	
AICN4716GS8	SOP-8	Complementary N+P	No	±60	±20	5.9/-4.4	3.7/-2.8	38/67	50/88			±2.5	
AICN4717GS8	SOP-8	Complementary N+P	No	±60	±20	5.9/-3.5	3.7/-2.2	38/107	50/136			±2.5	

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	I_{DS} (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN4718GS8	SOP-8	Complementary N+P	No	±100	±20	3.2/-2.0	2.0/-1.2	130/325	145/360			±2.5	
AICN4719GS8	SOP-8	Complementary N+P	No	±30	±20	7.4/-6.7	4.7/-4.2	24/	40/			±2	
AICN4946GS8	SOP-8	Dual NMOS	No	60	±20	6.2	3.9	34	45			2.5	ME4946
AICN4953GS8	SOP-8	Dual PMOS	No	-30	±20	-5.1	-3.2	50	80			-2	AP4953GM,P06B03LVG
AICN5066GF6	SOT563-6	Dual NMOS	Yes	60	±20	0.3		1600	2000	3000		1.5	
AICN50P06GQ8C	PDFN-8 (5x6)	PMOS	No	-60	±20	-32	-20	22.2	30.3			-3	
AICN5101GE3B	TO251-3	NMOS	No	100	±20	30	23	13	16			2.5	
AICN5103GE3B	TO251-3	NMOS	No	100	±20	40	25	10.8	15.6			2.5	
AICN5105GE3B	TO251-3	NMOS	No	60	±20	48	33	8.5	13			2	
AICN5204AGE3	TO252-3	PMOS	No	-40	±20	-20	-12	50	75			-2.2	
AICN5204GE3	TO252-3	PMOS	No	-40	±20	-20	-13	50	75			-2.2	
AICN5207GE3	TO252-3	NMOS	No	60	±20	24	15	56	65			2.5	AP9971AGH
AICN5208GE3	TO252-3	PMOS	No	-30	±20	-48	-30	10	16			-3	MTD9D0P03J3
AICN5210GE3	TO252-3	PMOS	No	-100	±20	-10	-6.6	215	230			-2.5	
AICN5212GE3	TO252-3	PMOS	No	-60	±20	-23	-14	60	80			-2.5	
AICN5214GE3	TO252-3	PMOS	No	-60	±20	-38	-24	23	33			-3	
AICN5216GE3	TO252-3	PMOS	No	-100	±20	-17.5	-11	97	115			-2	
AICN5218GE3	TO252-3	PMOS	No	-100	±20	-23	-14	74	83			-2	
AICN5221GE3	TO252-3	NMOS	No	40	±20	25	16	35	55			2.5	
AICN5222GE3	TO252-3	PMOS	No	-30	±20	-42	-27	18	32			-2.5	
AICN5223GE3	TO252-3	NMOS	No	100	±20	11	6.9	140	150			3	MTN9971J3
AICN5227GE3	TO252-3	NMOS	No	100	±20	60	38	9	12.5			2.5	
AICN5229BGE3	TO252-3	NMOS	No	60	±20	60	47	6	11			3	
AICN5231GE3	TO252-3	NMOS	No	30	±20	48	46	6	9			2	MTB4D0N03BJ3
AICN5233GE3	TO252-3	NMOS	No	60	±20	31	19	34	43			2.5	
AICN5235GE3	TO252-3	NMOS	Yes	40	±20	20	20	25	45			2.5	
AICN5237GE3	TO252-3	NMOS	No	150	±25	19	12	65	72 @6V			4	
AICN5239GE3	TO252-3	NMOS	No	60	±20	48	48	3.1	4.9			3	
AICN5241GE3	TO252-3	NMOS	No	100	±20	45	28	18	28			2.5	
AICN5243GE3	TO252-3	NMOS	No	30	±20	60	60	3.3	4.3			2	
AICN5245GE3	TO252-3	NMOS	No	150	±12	21	15	52	55@5V	62@3V		1.2	
AICN5300GE4	TO252-4	Complementary N+P	No	±32	±20	25/-18	16/-12	35/65	55/120			±2.2	
AICN5301GE4	TO252-4	Complementary N+P	No	±60	±20	24/-15.2	16.4/-9.7	35/100	45/132			±2.2	
AICN5302GE4	TO252-4	Complementary N+P	No	±60	±20	23/-17.8	14.8/-11.3	43/73	47/100			±2.5	WSF6012
AICN5303GE4	TO252-4	Complementary N+P	No	±40	±20	24/-24	23/-19	17/31	24/46			±2.0	
AICN5304GE4	TO252-4	Complementary N+P	No	±40	±20	24/-24	24/-13	12/32.5	17/53			±2.0	
AICN5305GE4	TO252-4	Complementary N+P	No	±40	±20	24/-24	21/-17	20/31	27/47			2.2/-2	
AICN5306GE4	TO252-4	Complementary N+P	No	±40	±20	24/-22	23/-14	17/46	24/70			2/-2.5	
AICN5R0P06GP4	LFPAK	PMOS	No	-60	±20	175	120	6	8.6			-2	
AICN6033	SOT363-6	Dual NMOS	Yes	60	±20	0.3		1600	2000	3000		1.5	
AICN60T241GT8	TOLL-8	NMOS	No	60	±20	272	192	1.1	1.9@6V			4	
AICN6211GT3	TO220-3	NMOS	No	40	±20	105		2.9	3.7			2.2	AOT240L

MOSFETs

Part Number	Package	Type	ESD	V_{DS} (V)	V_{GS} (±V)	IDS (A)		$R_{DS(ON)}$ (mΩ max) at V_{GS}=				VGS(th) (max V)	Cross Reference
						TC=25°C	TC=100°C	10V	4.5V	2.5V	1.8V		
AICN6213GT3	TO220-3	NMOS	No	80	±20	80		6				4	
AICN6217GT3	TO220-3	NMOS	No	100	±20	120	95	4.4	5.7 @6V			3.5	
AICN6219GT3	TO220-3	NMOS	No	80	±20	96	70	7.8	11 @6V			4	
AICN6221GT3F	TO220F-3	NMOS	No	100	±20	86	54	2.6	3.3 @6V			4	
AICN6301GM3	TO263-3	NMOS	No	100	±20	80	72	6	8.5			2.5	
AICN6303GM3	TO263-3	NMOS	No	40	±20	60	60	2.4	4.8 @6V			4	
AICN6R5N10GP4	LFPAK	NMOS	No	100	±20	133	94	7.6	9.8@6V			4	
AICN70P03GE3	TO252-3	PMOS	No	-30	±20	-70	-120	6.5	9.5			-3	
AICN70P04GQ8C	PDFN-8 (5x6)	PMOS	No	-40	±20	-50	-31.5	9.3	17			-2	
AICN8205DGK6	TSOT23-6	Dual NMOS	No	20	±10	4.8			24	35		1	
AICN8205GK6	TSOT23-6	Dual NMOS	No	20	±10	5			22	35		1	
AICN8461	DFN-8 (5x6)	NMOS	No	40	±20	194		1.5	2.3			2.5	
AICN8816GU6	SOT23-6	Dual NMOS	Yes	24	±12	6			20	27	38	1	
AICN9435GS8	SOP-8	PMOS	No	-30	±25	-5.7	-3.6	50	80			-2	
AICNC602	CSP	Dual NMOS	Yes	24	±10	7.7			5	7		1	
AICNC603	CSP	Dual NMOS	Yes	24	±10	11			2.5	4		1	
AICNC604	CSP	Dual NMOS	Yes	12	±10	6.9			6.25	9.5		1	

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST100P03GE3	TO252-3	P	Single	No	-100	±20	-1.2	-	-2.5	70 (95)	-	84 (100)	-	-	-24	-	-15	-	-
AICST100P08GE3	TO252-3	P	Single	No	-100	±20	-1.2	-1.8	-2.4	240 (270)	-	250 (290)	-	-	-6	-	-3	-	-
AICST60P60GS8	SOP-8	P	Single	No	-60	±20	-1	-1.7	-2.5	44 (58)	-	63 (83)	-	-	-	-	-	-	-
AICST60P68GE3	TO252-3	P	Single	No	-60	±20	-1	-1.7	-2.5	(78)	-	(116)	-	-	-14	-	-8.8	-	-
AICST60P48GS8	SOP-8	P	Single	No	-60	±20	-1	-	-2.5	135 (169)	-	175 (214)	-	-	-	-	-	-4.9	-3.1
AICSTP4038GS8	SOP-8	P	Single	No	-40	±20	-1	-1.5	-2.5	35 (40)	-	45 (65)	-	-	-	-	-	-4.8	-3.9
AICSTP4038GE3	TO252-3	P	Single	No	-40	±20	-1	-	-2.5	35 (50)	-	45 (75)	-	-	-22.8	-	-14.4	-	-
AICSTP4038GU6	SOT23-6	P	Single	No	-40	±20	-1	-	-2.5	35 (50)	-	45 (75)	-	-	-5	-	-3.2	-	-
AICSTP4028GQ8C	PDFN-8 (5x6)	P	Single	No	-40	±20	-1.3	-1.6	-1.9	23 (27)	-	34 (40)	-	-	-19.3	-	-12.2	-5	-3.7
AICSTP4028GQ8A	PDFN-8 (3.3x3.3)	P	Single	No	-40	±20	-1.3	-1.6	-1.9	23 (27)	-	34 (40)	-	-	-15.8	-	-9.9	-5	-3.7
AICSTP4015GS8	SOP-8	P	Single	No	-40	±20	-1	-1.5	-2.5	10 (13)	-	14 (20)	-	-	-	-	-	-9	-7.2
AICSTP4015GE3	TO252-3	P	Single	No	-40	±20	-1	-	-2.5	10 (12.5)	-	14 (19.5)	-	-	-54	-	-34	-	-
AICSTP3008GS8	SOP-8	P	Single	No	-30	±20	-1	-1.5	-2.5	7.6 (9.6)	-	11 (14)	-	-	-	-	-	-11	-9
AICST30P05xxxx	TO-251AA	P	Single	No	-30	±20	-1.2	-1.5	-2.5	7.6 (9.6)	-	11 (14)	-	-	-62	-	-40	-	-
AICST30P05SI	TO-251D	P	Single	No	-30	±20	-1.2	-1.5	-2.5	7.6 (9.6)	-	11 (14)	-	-	-62	-	-40	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST30P05GE3	TO252-3	P	Single	No	-30	±20	-1	-	-2.5	8 (9.5)	-	12 (15)	-	-	-61	-	-38	-	-
AICSTP3008GQ8A	PDFN-8 (3.3x3.3)	P	Single	No	-30	±20	-1	-	-2.5	8 (9.5)	-	12 (15)	-	-	-39	-	-25	-	-
AICST30P05GQ8C	PDFN-8 (5x6)	P	Single	No	-30	±20	-1.2	-1.5	-2.5	7.6 (9.6)	-	11 (14)	-	-	-62	-	-40	-	-
AICSTP3011GS8	SOP-8	P	Single	No	-30	±20	-1	-1.5	-2.5	11 (14)	-	15 (24)	-	-	-	-	-	-9	-6
AICSTP3011GQ8A	PDFN-8 (3.3x3.3)	P	Single	No	-30	±20	-1	-1.5	-2.5	12 (14)	-	17 (22)	-	-	-42	-	-27	-	-
AICSTP3011GQ8C	PDFN-8 (5x6)	P	Single	No	-30	±20	-1	-1.5	-2.5	10 (13)	-	14 (23)	-	-	-49	-	-38	-	-
AICSTP3011GE3	TO252-3	P	Single	No	-30	±20	-1	-1.5	-2.5	10 (14)	-	14 (24)	-	-	-44	-	-28	-	-
AICSTP3003GS8	SOP-8	P	Single	No	-30	±20	-1.2	-	-2.5	4.2 (4.7)	-	6.4 (7.5)	-	-	-	-	-	-18	-14
AICSTP3003GQ8C	PDFN-8 (5x6)	P	Single	No	-30	±20	-1.2	-	-2.5	3.5 (4.3)	-	5.3 (7.1)	-	-	-60	-37	-	-19	-16
AICSTP3015GS8	SOP-8	P	Single	No	-30	±20	-1	-1.5	-2.5	15 (20)	-	21 (26)	-	-	-	-	-	-7.4	-5.9
AICSTP3015GQ8A	PDFN-8 (3.3x3.3)	P	Single	No	-30	±20	-1	-1.5	-2.5	16 (20)	-	21 (33)	-	-	-51.3	-	-32.4	-	-
AICSTP3015GE3	TO252-3	P	Single	No	-30	±20	-1	-1.7	-2.5	16 (19)	-	25 (30)	-	-	-36	-	-23	-	-
AICSTP3060GU3P	SOT23P-3	P	Single	No	-30	±20	-1	-1.5	-2.2	(55)	-	(85)	-	-	-	-	-	-3.9	-3.1
AICSTP3060GS8	SOP-8	P	Single	No	-30	±20	-1.1	-	-2	50 (58)	-	80 (95)	-	-	-	-	-	-3.9	-3
AICSTP3086GU3P	SOT23P-3	P	Single	No	-30	±20	-1.2	-1.5	-2.5	72 (85)	-	111 (145)	-	-	-	-	-	-2.7	-2.2

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSTP2010GS8	SOP-8	P	Single	No	-20	±12	-0.3	-0.6	-1	-	-	10 (12)	14 (16)	-	-	-	-	-11	-7
AICSTP2018GU3	SOT23-3	P	Single	No	-20	±10	-0.3	-0.6	-1	-	-	18 (25)	23 (30)	29 (39)	-	-	-	-6.6	-5.3
AICSTP2045GU3P	SOT23P-3	P	Single	No	-20	±12	-0.3	-0.6	-1	-	-	63 (70)	89 (100)	-	-	-	-	-3.1	-2.4
AICSTP2050GU3P	SOT23P-3	P	Single	No	-20	±12	-0.3	-0.6	-1	-	-	63 (70)	89 (100)	-	-	-	-	-3.1	-2.4
AICST20N01GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	20	±20	0.5	0.8	1.2	3.6 (4.2)	-	4.7 (5.5)	-	-	40	40	-	29	23
AICSTN2030xxx	SOT523	N	Single	No	20	±12	0.3	0.6	1	-	-	75 (90)	85 (100)	105 (115)	-	-	-	2	1.5
AICST30N02GE3	TO252-3	N	Single	No	30	±20	1.2	1.5	2.5	- (2.8)	-	- (3.8)	-	-	157	-	112	-	-
AICST30N02GQ8C	PDFN-8 (5x6)	N	Single	No	30	±20	1.2	1.5	2.5	1.5 (1.9)	-	2.2 (2.5)	-	-	100	-	100	-	-
AICST30N05GS8	SOP-8	N	Single	No	30	±20	1.2	-	2.5	9 (11)	-	13 (15)	-	-	15	-	12	11	9
AICST30N05GE3	TO252-3	N	Single	No	30	±20	1.2	-	2.5	8.5 (9.5)	-	12 (14)	-	-	52	-	33	-	-
AICST30N05GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±20	1.2	1.8	2.5	8.5 (9.5)	-	12 (14)	-	-	42	-	27	10	7
AICST30N05GQ8C	PDFN-8 (5x6)	N	Single	No	30	±20	1.2	-	2.5	8.5 (9.5)	-	12 (14)	-	-	52	-	33	-	-
AICST30N06GQ8C	PDFN-8 (5x6)	N	Single	No	30	±20	1.2	1.5	2.5	2.6 (3.5)	-	3.7 (4.9)	-	-	100	-	82	-	-
AICST30N06GE3	TO252-3	N	Single	No	30	±20	1.2	-	2.5	2.6 (3.5)	-	3.7 (4.9)	-	-	100	-	82	-	-
AICST30N06GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±20	1	1.5	2.5	2.6 (3.5)	-	3.7 (5.8)	-	-	84	-	53	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST30N06LGQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	+10/-8	0.6	-	1.1	3.5 (4.2)	-	4 (5.2)	-	-	40	-	40	25	20
AICST30N10GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±10	0.4	0.7	1	3.4 (4)	-	3.8 (4.5)	4.7 (5.8)	-	64.7	-	44.8	22.7	16.9
AICST30N04GS8	SOP-8	N	Single	No	30	±20	1.2	1.5	2.5	4.5 (5.4)	-	6.4 (8.2)	-	-	-	-	-	14	11
AICST30N04GE3	TO252-3	N	Single	No	30	±20	1.2	1.5	2.5	4.5 (5.4)	-	6.4 (8.2)	-	-	85	-	54	15	12
AICST30N04GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±20	1.2	1.5	2.5	4.5 (5.4)	-	6.4 (8.2)	-	-	50	-	30	15	12
AICST30N04GQ8C	PDFN-8 (5x6)	N	Single	No	30	±20	1.2	1.5	2.5	4.5 (5.4)	-	6.4 (8.2)	-	-	85	-	54	15	12
AICST30N09GS8	SOP-8	N	Single	No	30	±20	1.2	1.5	2.5	7 (8.5)	-	10 (13.5)	-	-	-	-	-	10.2	8.2
AICST30N09GQ8C	PDFN-8 (5x6)	N	Single	No	30	±20	1.2	1.5	2.5	6.3 (7)	-	8.8 (10)	-	-	60	-	47	-	-
AICST30N09GE3	TO252-3	N	Single	No	30	±20	1.2	1.5	2.5	6.3 (7)	-	8.8 (10)	-	-	60	-	47	-	-
AICSTN3055GU3P	SOT23P-3	N	Single	No	30	±12	0.5	0.7	1.2	30 (38)	-	34 (46)	41 (60)	-	-	-	-	4.8	3.9
AICST30N09GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±20	1.2	1.5	2.5	5.3 (6.8)	-	7.4 (10)	-	-	29.8	-	18.8	-	-
AICSTN3013GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±20	1.2	1.5	2.5	15 (17)	-	21 (29)	-	-	28	-	18	8	6
AICSTN3025GU3P	SOT23P-3	N	Single	No	30	±12	0.4	0.7	1.2	-	-	25 (31)	29 (39)	46 (60)	-	-	-	4.8	3.8
AICST40N01GE3	TO252-3	N	Single	No	40	±20	2	3	4	2.1 (2.4)	-	-	-	-	100	-	92.4	-	-
AICST40N01GQ8C	PDFN-8 (5x6)	N	Single	No	40	±20	2	3	4	1.7 (2)	-	-	-	-	100	100	-	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST40N01GT3	TO220-3	N	Single	No	40	±20	2	3	4	2.1 (2.4)	-	-	-	-	149	119	-	-	-
AICST40N01GM3	TO263-3	N	Single	No	40	±20	2	3	4	2.1 (2.4)	-	-	-	-	149	119	-	-	-
AICST40N01LGQ8C	PDFN-8 (5x6)	N	Single	No	40	±20	1.3	-	2.4	1.7 (2)	-	2.2 (2.5)	-	-	100	100	-	-	-
AICST40N01LGE3	TO252-3	N	Single	No	40	±20	1.3	-	2.4	1.9 (2.2)	-	2.3 (2.6)	-	-	100	-	97	-	-
AICST40N01LGT3	TO220-3	N	Single	No	40	±20	1.2	1.9	2.5	1.7 (2)	-	2.2 (2.4)	-	-	149	119	-	-	-
AICST40N04GS8	SOP-8	N	Single	No	40	±20	1.2	1.9	2.5	9 (11)	-	13 (16)	-	-	-	-	-	10	8
AICST40N03GS8	SOP-8	N	Single	No	40	±20	1	-	2.5	- (25)	-	- (34)	-	-	-	-	-	6	4.5
AICST60N04GT3	TO220-3	N	Single	No	60	±20	2	3	4	2 (2.3)	-	-	-	-	200	-	126	-	-
AICST60N04GM3	TO263-3	N	Single	No	60	±20	2	3	4	1.9 (2.2)	-	-	-	-	200	-	126	-	-
AICST60N03Lxxx	TO-251AA	N	Single	No	60	±20	1.5	1.8	2.3	- (4.6)	-	- (6.2)	-	-	100	78	-	-	-
AICST60N03LGE3	TO252-3	N	Single	No	60	±20	1.5	1.8	2.3	- (4.6)	-	- (6.2)	-	-	100	78	-	-	-
AICST60N03LGQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	1.5	1.8	2.3	3.1 (3.8)	-	4.2 (4.5)	-	-	100	100	-	-	-
AICST60N03LGT3	TO220-3	N	Single	No	60	±25	1.5	1.8	2.3	3.2 (3.5)	-	4.3 (5.3)	-	-	127	-	81	-	-
AICST60N03GE3	TO252-3	N	Single	No	60	±25	2	3	4	5 (6)	-	-	-	-	96	76	-	-	-
AICST60N03GQ8C	PDFN-8 (5x6)	N	Single	No	60	±25	2	3	4	3.6 (4)	-	-	-	-	100	100	-	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST60N03GT3	TO220-3	N	Single	No	60	±25	2	3	4	3.8 (4.2)	-	-	-	-	125	100	-	-	-
AICST60N03xxx	TO-251AA	N	Single	No	60	±25	2	3	4	4.5	-	-	-	-	96	76	-	-	-
AICST60N03GM3	TO263-3	N	Single	No	60	±25	2	3	4	4.4 (5.2)	-	-	-	-	125	100	-	-	-
AICST60N02GE3	TO252-3	N	Single	No	60	±20	2	3	4	5.5 (7)	-	-	-	-	80	64.8	-	-	-
AICST60N02GQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	2	3	4	4.6 (5.5)	-	-	-	-	100	80	-	-	-
AICST60N02GT3	TO220-3	N	Single	No	60	±20	2	3	4	5.7 (6.7)	-	-	-	-	100	78	-	-	-
AICST60N15GS8	SOP-8	N	Single	No	60	±20	1.3	1.7	2.4	8 (8.3)	-	9 (10)	-	-	-	-	-	17	14
AICST60N15GQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	1.3	1.7	2.4	5.1 (6.2)	-	6.2 (7.9)	-	-	80	-	54	-	-
AICST60N15GE3	TO252-3	N	Single	No	60	±20	1.3	1.7	2.4	8 (8.3)	-	8.6 (9.3)	-	-	52	-	33	-	-
AICST60N15GT3	TO220-3	N	Single	No	60	±20	1.3	1.7	2.4	(7.8)	-	(9.4)	-	-	75	-	47	-	-
AICST60N15GT3F	TO220F-3	N	Single	No	60	±20	1.3	1.7	2.4	- (7.8)	-	- (9.4)	-	-	44	-	28	-	-
AICST60N33GE3	TO252-3	N	Single	No	60	±20	1.2	-	2.5	36 (43)	-	40 (51)	-	-	23	-	15	-	-
AICST60N10GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	60	±20	1.2	1.8	2.5	(11)	-	(14)	-	-	51	-	32	10	6.4
AICST60N10GS8	SOP-8	N	Single	No	60	±20	1.2	1.8	2.5	10 (12)	-	12 (14)	-	-	-	-	-	9	7
AICST60N10GQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	1.2	1.7	2.5	(8.8)	-	(11.5)	-	-	46	-	29	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST60N10xxx	TO-251D	N	Single	No	60	±20	1.2	-	2.5	10 (12)	-	12 (14)	-	-	49	-	31	-	-
AICST60N10xxx	TO-251VVS	N	Single	No	60	±20	1.2	1.8	2.5	10 (12)	-	12 (14)	-	-	49	-	31	-	-
AICST60N10GE3	TO252-3	N	Single	No	60	±20	1.2	1.7	2.5	9 (10)	-	10 (11.5)	-	-	58	-	37	-	-
AICST60N11xxx	TO-251AA	N	Single	No	60	±20	1.2	1.7	2.5	14 (16)	-	16 (20)	-	-	43	-	27	-	-
AICSTN6090GU3P	SOT23P-3	N	Single	No	60	±20	1.2	1.7	2.5	60 (75)	-	80 (105)	-	-	-	-	-	2.8	2.2
AICST65N03GQ8C	PDFN-8 (5x6)	N	Single	No	65	±20	2	3	4	9.9 (12)	-	-	-	-	68	54	-	-	-
AICST65N03GE3	TO252-3	N	Single	No	65	±20	2	3	4	9.9 (12)	-	-	-	-	57	46	-	-	-
AICST65N03GT3	TO220-3	N	Single	No	65	±20	2	3	4	9.9 (12)	-	-	-	-	64		40.5	-	-
AICST65N03GM3	TO263-3	N	Single	No	65	±25	2	3	4	9.9	-	-	-	-	64	51	-	-	-
AICST75N05GT3	TO220-3	N	Single	No	75	±30	2	3	4	3.2 (3.9)	-	-	-	-	180	150	-	-	-
AICST75N05GM3	TO263-3	N	Single	No	75	±30	2	3	4	3.2 (3.9)	-	-	-	-	180	150	-	-	-
AICST75N07GE3	TO252-3	N	Single	No	75	±25	2	3	4	6.8 (8.8)	-	-	-	-	59	47.6	-	-	-
AICST75N07GQ8C	PDFN-8 (5x6)	N	Single	No	75	±25	2	3	4	7 (9)	-	-	-	-	80	64	-	-	-
AICST75N07GT3	TO220-3	N	Single	No	75	±25	2	3	4	6.2 (6.8)	-	-	-	-	84	53	-	-	-
AICST75N07GM3	TO263-3	N	Single	No	75	±25	2	3	4	6.8 (8.8)	-	-	-	-	83	66.4	-	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST80N07HGQ8C	PDFN-8 (5x6)	N	Single	No	80	±20	2.1	3	3.9	7.8 (9)	-	-	-	-	70	-	44	-	-
AICST80N07HGE3	TO252-3	N	Single	No	80	±20	2.8	3.5	3.7	7.3 (8)	-	-	-	-	59	-	38	-	-
AICST80N07HGT3	TO220-3	N	Single	No	80	±20	2	3	4	8 (9.2)	-	-	-	-	89	-	56	-	-
AICST80N07HGM3	TO263-3	N	Single	No	80	±20	2	3	4	7.6 (8)	-	-	-	-	94	-	60	-	-
AICST100N05GT3	TO220-3	N	Single	No	100	±20	2	3	4	4.1 (4.5)	-	-	-	-	184	-	116	-	-
AICST100N05GM3	TO263-3	N	Single	No	100	±20	2	3	4	4.0 (4.5)	-	-	-	-	160	135	-	-	-
AICST100N03G8S	SOP-8	N	Single	No	100	±20	1.2	1.8	2.5	18 (22)	-	22 (28.5)	-	-	-	-	-	9.8	7.9
AICST100N03GE3	TO252-3	N	Single	No	100	±20	1.2	1.8	2.5	17 (23)	-	22 (28)	-	-	42	34	-	6.6	5.3
AICST100N03GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	100	±20	1.2	1.8	2.5	17 (23)	-	22 (28.5)	-	-	30	24	-	7.8	6.3
AICST100N03GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.8	2.5	18 (22)	-	22 (28.5)	-	-	42	34	-	-	-
AICST100N03GT3	TO220-3	N	Single	No	100	±20	1.2	1.8	2.5	21 (27)	-	23 (28.5)	-	-	-	-	-	38	24
AICST100N07GS8	SOP-8	N	Single	No	100	±20	1.2	1.8	2.5	23 (26)	-	25 (31)	-	-	-	-	-	8.3	6.4
AICST100N07GE3	TO252-3	N	Single	No	100	±20	1.2	1.8	2.5	18 (26.22)	-	22 (28.88)	-	-	35	-	22	-	-
AICST100N07GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	100	±20	1.2	1.7	2.4	22 (27)	-	24 (31)	-	-	24	-	15	-	-
AICST100N07GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.8	2.5	18 (23)	-	22 (28.5)	-	-	39	-	24	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICST100N07GT3	TO220-3	N	Single	No	100	±20	1.2	1.8	2.5	18 (23)	-	22 (28.5)	-	-	52	-	33	-	-
AICST100N10GE3	TO252-3	N	Single	No	100	±20	1.2	1.8	2.5	90 (110)	-	108 (120)	-	-	14	-	9	-	-
AICST100N15GE3	TO252-3	N	Single	No	100	±20	1	1.5	2.5	44 (50)	-	48 (60)	-	-	14	-	9	-	-
AICST100N13GS8	SOP-8	N	Single	No	100	±20	1	1.8	2.5	70 (80)	-	84 (94)	-	-	-	-	-	3.4	2.7
AICST100N11GU3P	SOT23P-3	N	Single	No	100	±20	1	-	2.5	220 (250)	-	264 (290)	-	-	-	-	-	1.6	1.3
AICSG30N17GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	30	±20	1	-	2.4	2.1 (2.7)	-	3.1 (4.2)	-	-	43	-	27	-	-
AICSG30N17GQ8C	PDFN-8 (5x6)	N	Single	No	30	±20	1	-	2.4	2.1 (2.7)	-	3.1 (4.2)	-	-	49	-	31	-	-
AICSG30N17GE3	TO252-3	N	Single	No	30	±20	1	-	2.4	2.3 (2.9)	-	3.3 (4.5)	-	-	68	-	43	-	-
AICSG40N17GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	45	±20	1	1.5	2.4	2.3 (2.9)	-	3.4 (4.5)	-	-	42		27		
AICSG40N17GQ8C	PDFN-8 (5x6)	N	Single	No	45	±20	1	1.5	2.4	2.4 (2.9)	-	3.5 (4.5)	-	-	47	-	30	-	-
AICSG40N18GQ8C	PDFN-8 (5x6)	N	Single	No	45	±20	1	1.5	2.4	1.7 (2.0)	-	2.6 (3.4)	-	-	65	-	41	-	-
AICSG60N11GQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	1	1.6	2.5	1.8 (2.9)	-	2.6 (4.2)	-	-	52	-	23	-	-
AICSG60N11GT3	TO220-3	N	Single	No	60	±20	1	1.6	2.5	2.3 (2.7)	-	3.0 (3.8)	-	-	214	-	135	-	-
AICSG60N11GM3	TO263-3	N	Single	No	60	±20	1.2	1.6	2.4	1.8 (2.3)	-	2.6 (3.5)	-	-	177	-	112	-	-
AICSG60N02GS8	SOP-8	N	Single	No	60	±20	1.2	1.6	2.4	3.2 (3.8)	-	4.4 (5.3)	-	-	34	-	21	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSG60N02GQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	1.2	1.6	2.4	3.1 (3.7)	-	4.6 (5.9)	-	-	75	-	61	-	-
AICSG60N02GE3	TO252-3	N	Single	No	60	±20	1.2	1.6	2.4	2.6 (2.9)	-	3.7 (4.2)	-	-	100	-	100	-	-
AICSG60N02GM3	TO263-3	N	Single	No	60	±20	1.2	1.6	2.4	3.2 (3.5)	-	4.3 (4.8)	-	-	80	-	80	-	-
AICSG60N02GT3	TO220-3	N	Single	No	60	±20	1.2	1.6	2.4	3.6 (4)	-	4.9 (5.3)	-	-	116	-	73	-	-
AICSG60N02GT3F	TO220F-3	N	Single	No	60	±20	1.2	1.6	2.4	3.8 (4.5)	-	4.9 (6.3)	-	-	56	-	56	-	-
AICSG60N12GS8	SOP-8	N	Single	No	60	±20	1.3	1.7	2.1	8.8 (10)	-	13.8 (16)	-	-	34	-	21.5	13.5	10.8
AICSG60N12GQ8C	PDFN-8 (5x6)	N	Single	No	60	±20	1.4	1.7	2.1	8.6 (10)	-	13.6 (16)	-	-	34.5	-	21.8	-	-
AICSG60N12GE3	TO252-3	N	Single	No	60	±20	1.3	1.7	2.1	7.9 (9)	-	12.5 (14.4)	-	-	68	-	43	13.4	10.7
AICSG60N12xxx	TO-251AA	N	Single	No	60	±20	1.1	1.7	2.2	8.4 (10.5)	-	13.5 (18)	-	-	58	-	36	-	-
AICSG60N13GS8	SOP-8	N	Single	No	60	±20	1.1	1.7	2.2	9.3 (10.5)	-	14 (17.5)	-	-	24.8	-	15.7	-	-
AICSG80N05HGQ8C	PDFN-8 (5x6)	N	Single	No	80	±20	2	3	4	2.8 (3.8)	-	-	-	-	45	-	28	-	-
AICSG80N05HGT3	TO220-3	N	Single	No	80	±20	2	3	4	2.8 (3.8)	-	-	-	-	120	-	120	-	-
AICSG85N03GT3	TO220-3	N	Single	No	85	±20	2	2.8	4	4.5 (5.2)	-	-	-	-	111	-	70	-	-
AICSG85N03GQ8C	PDFN-8 (5x6)	N	Single	No	85	±20	2.5	2.9	3.2	4.0 (4.7)	-	-	-	-	68.7	-	47.6	20.4	15.2
AICSG85N03GM3	TO263-3	N	Single	No	85	±20	2	2.8	4	4.1 (4.8)	-	-	-	-	120	-	72	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSG80N02GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	80	±20	1.2	1.6	2.4	5.6 (6.2)	-	7.3 (8.1)	-	-	66	-	42	-	-
AICSG80N02GS8	SOP-8	N	Single	No	80	±20	1	1.5	2.3	5.5 (5.9)	-	7.2 (7.8)	-	-	-	-	-	14	11
AICSG80N02GQ8C	PDFN-8 (5x6)	N	Single	No	80	±20	1.2	1.6	2.4	5.2 (5.7)	-	6.8 (7.4)	-	-	85	-	60	-	-
AICSG80N02GE3	TO252-3	N	Single	No	80	±20	1.2	1.6	2.4	5.7 (6.2)	-	7.3 (7.8)	-	-	60		60	-	-
AICSG80N02GT3	TO220-3	N	Single	No	80	±20	1.2	1.6	2.4	5.9 (6.4)	-	7.5 (8)	-	-	80	-	60	-	-
AICSG80N02HGQ8C	PDFN-8 (5x6)	N	Single	No	80	±20	2	3	4	5.9 (6.4)	-	-	-	-	80	-	60	-	-
AICSG80N02HGT3	TO220-3	N	Single	No	80	±20	2	3	4	6.4 (6.9)	-	-	-	-	80	-	60	-	-
AICSG80N02HGM3	TO263-3	N	Single	No	80	±20	2	3	4	6.4 (6.9)	-	-	-	-	80	-	60	-	-
AICSG100N02GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	2	3	4	3.1 (3.9)	-	-	-	-	100	-	100	-	-
AICSG100N02GT3	TO220-3	N	Single	No	100	±20	2	3	4	3.1 (3.9)	-	-	-	-	100	-	100	-	-
AICSG100N02GM3	TO263-3	N	Single	No	100	±20	2	3	4	3.1 (3.9)	-	-	-	-	100	-	100	-	-
AICSG100N15GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.8	2.5	3.8 (4.4)	-	5.0 (6.1)	-	-	43.2	-	27.3	-	-
AICSG100N15GT3	TO220-3	N	Single	No	100	±20	1.2	-	2.5	4.5 (5.2)	-	5.9 (7.3)	-	-	109	-	69	-	-
AICSG100N15GT3F	TO220F-3	N	Single	No	100	±20	1.2	1.8	2.5	5 (5.9)	-	6.2 (8)	-	-	60	-	38	-	-
AICSG100N15GM3	TO263-3	N	Single	No	100	±20	1.2	1.8	2.5	4.5 (5.4)	-	5.9 (7.7)	-	-	74	-	47	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSG100N19GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.8	2.5	4.9 (5.5)	-	6.6 (8)	-	-	92	-	58	-	-
AICSG100N19GT3	TO220-3	N	Single	No	100	±20	1.2	1.8	2.5	5.6 (6.5)	-	7.3 (9)	-	-	101	-	63	-	-
AICSG100N16GS8	SOP-8	N	Single	No	100	±20	1.2	1.5	2.5	6.6 (8.1)	-	8.5 (10.2)	-	-	24.8	-	15.7	-	-
AICSG100N16xxx	TO-251AA	N	Single	No	100	±20	1.2	1.5	2.5	6.5 (8)	-	8 (11)	-	-	64	-	40	-	-
AICSG100N16GE3	TO252-3	N	Single	No	100	±20	1.2	1.5	2.5	6.5 (8)	-	8 (11)	-	-	58		36		
AICSG100N16GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.5	2.5	6 (8)	-	8 (10)	-	-	39.2	-	24.8	-	-
AICSG100N16GT3	TO220-3	N	Single	No	100	±20	1.2	1.5	2.5	7.3 (8.9)	-	9.4 (12)	-	-	56		44		
AICSG100N03GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	100	±20	1	1.8	2.5	7.4 (9)	-	11.9 (15)	-	-	47	-	29	-	-
AICSG100N03GS8	SOP-8	N	Single	No	100	±20	1.2	1.6	2.4	7 (7.8)	-	9.6 (11.5)	-	-	-	-	-	13	11
AICSG100N03GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.6	2.4	6.5 (7.5)	-	9 (11)	-	-	47	-	30	-	-
AICSG100N03GE3	TO252-3	N	Single	No	100	±20	1	1.8	2.4	7.8 (9.6)	-	9.5 (12.5)	-	-	71	-	45	-	-
AICSG100N03xxx	TO-251AA	N	Single	No	100	±20	1	1.8	2.5	7.2 (7.9)	-	9 (10.5)	-	-	71	-	45	-	-
AICSG100N03xxx	TO-251D	N	Single	No	100	±20	1	1.8	2.5	7.2 (7.9)	-	9 (10.5)	-	-	71	-	45	-	-
AICSG100N03xxx	TO-251VVS	N	Single	No	100	±20	1	1.8	2.5	7.2 (7.9)	-	9 (10.5)	-	-	71	-	45	-	-
AICSG100N03GT3	TO220-3	N	Single	No	100	±20	1.2	1.6	2.4	8 (10)	-	11 (13)	-	-	77	-	49	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSG100N03GT3F	TO220F-3	N	Single	No	100	±20	1.2	1.6	2.4	8 (10)	-	11 (15)	-	-	48	-	30	-	-
AICSG100N03GT3	TO220-3	N	Single	No	100	±20	1	1.8	2.4	8 (10)	-	11 (16)	-	-	67	-	42	-	-
AICSG100N03GM3	TO263-3	N	Single	No	100	±20	1	1.6	2.4	7.9 (9)	-	11.6 (15)	-	-	71	-	45	-	-
AICSG100N13GS8	SOP-8	N	Single	No	100	±20	1.2	1.7	2.5	8.7 (10.5)	-	11.3 (14.5)	-	-	-	-	-	7.8	6.3
AICSG100N13GT3	TO220-3	N	Single	No	100	±20	1.2	1.7	2.5	8 (10)	-	12 (14)	-	-	66	-	42	-	-
AICSG100N13GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.7	2.5	7.8 (10)	-	10.8 (14)	-	-	41	-	26	-	-
AICSG100N14GS8	SOP-8	N	Single	No	100	±20	1.2	1.7	2.5	14.4 (16)	-	19.4 (23)	-	-	18.7	-	11.8	-	-
AICSG100N14GQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	1.2	1.7	2.5	13.4 (15)	-	18.4 (22)	-	-	54	-	34	-	-
AICSG100N14GQ8A	PDFN-8 (3.3x3.3)	N	Single	No	100	±20	1.2	1.7	2.5	13.4 (15)	-	18.4 (22)	-	-	37	-	24	-	-
AICSG100N14xxx	TO-251AA	N	Single	No	100	±20	1.2	1.7	2.5	13.4 (15)	-	18.4 (22)	-	-	54	-	34	-	-
AICSG100N14GE3	TO252-3	N	Single	No	100	±20	1.2	1.7	2.5	13.4 (15)	-	18.4 (22)	-	-	54	-	34	-	-
AICSG1JN14HGQ8C	PDFN-8 (5x6)	N	Single	No	100	±20	2	3	4	16 (20)	-	-	-	-	29	-	18.3	-	-
AICSG1JN14HGE3	TO252-3	N	Single	No	100	±20	2	3	4	16 (20)	-	-	-	-	41	-	26	-	-
AICSG120N02GQ8C	PDFN-8 (5x6)	N	Single	No	120	±20	2	3	4	7.9 (10)	-	-	-	-	29	-	18	-	-
AICSG150N02GS8	SOP-8	N	Single	No	150	±20	1	-	3	57 (65)	-	65 (82)	-	-	8.5	-	5.4	-	-

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSG150N03GQ8C	PDFN-8 (5x6)	N	Single	No	150	±20	2	3	4	9.6 (11.2)	-	-	-	-	75	-	45	-	-
AICSG150N03GT3	TO220-3	N	Single	No	150	±20	2	3	4	9.6 (11.5)	-	-	-	-	60	-	50	-	-
AICSC2015GU6	SOT23-6	N	Common-Drain	No	20	±8	0.5	0.7	1	-	-	18 (23)	25 (30)	-	-	-	-	5.8	4.6
AICSC2402GD8B	DFN-8 (3x3)	N	Common-Drain	Yes	24	±12	0.45	0.6	1.3	-	-	6.7 (7.7)	8.2 (9.8)	-	-	-	-	13	-
AICSC3236GS8	SOP-8	P	Dual	No	-30	±20	-1	-1.5	-2.5	50 (60)	-	70 (90)	-	-	-	-	-	-4	-3.2
AICSC30N24GS8	SOP-8	N	Dual	No	30	±20	1	1.5	2.5	(27)	-	(37)	-	-	-	-	-	6	4.8
AICSC30N24GQ8D	PDFN-8 (5x6)	N	Dual	No	30	±20	1	1.5	2.5	(27)	-	(37)	-	-	-	-	-	6	4.8
AICSC3225xxx	SOJ-8	N	Complementary	No	30	±20	1	1.5	2.5	14 (18)	-	21 (28)	-	-	-	-	-	7	5.6
		P		No	-30	±20	-1	-1.5	-2.5	32 (40)	-	50 (63)	-	-	-	-	-	-4.7	3.7
AICSC3225GS8	SOP-8	N	Complementary	No	30	±20	1	1.5	3	14 (18)	-	20 (26)	-	-	-	-	-	7.6	5.6
		P		No	-30	±20	-1	-1.5	-2.5	28 (36)	-	42 (55)	-	-	-	-	-	-5.4	-3.7

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSC3225GQ8D	PDFN-8 (5x6)	N	Complementary	No	30	±20	1	1.5	3	14 (18)	-	21 (28)	-	-	40	-	25	8.9	7.2
		P		No	-30	±20	-1	-1.5	-2.5	32 (40)	-	50 (63)	-	-	-27	-	-17	-5.9	-4.7
AICSC3225GE4	TO252-4	N	Complementary	No	30	±20	1	1.5	2.5	14 (18)	-	21 (28)	-	-	31	-	19	-	-
		P		No	-30	±20	-1	-1.5	-2.5	32 (40)	-	50 (63)	-	-	-24	-	-19	-	-
AICSC4220GE4	TO252-4	N	Complementary	No	40	±20	1	1.5	2.5	- (11)	-	- (15.5)	-	-	42	-	26		
		P		No	-40	±20	-1	-1.5	-2.5	- (30)	-	- (43)	-	-	-28	-	-22		
AICSC4226GQ8D	PDFN-8 (5x6)	N	Complementary	No	40	±20	1	-	2.5	20 (24)	-	28 (33)	-	-	26	-	16		
		P		No	-40	±20	-1	-	-2.5	30 (38)	-	50 (63)	-	-	-25	-	-15		
AICSC4232GS8	SOP-8	N	Complementary	No	40	±20	1	1.5	2.5	- (35)	-	- (45)	-	-	9	7	-	5.5	4.5
		P		No	-40	±20	-1	-1.5	-2.5	- (45)	-	- (75)	-	-	-8	-6.5	-	-5	-4
AICSC4232GE4	TO252-4	N	Complementary	No	40	±20	1	1.5	2.5	20 (24)	-	28 (33)	-	-	24	-	19		
		P		No	-40	±20	-1	-1.5	-2.5	30 (38)	-	50 (63)	-	-	-24	-	-19		
AICSC60C01GS8	SOP-8	N	Complementary	No	60	±20	1.2	1.8	2.5	31 (38)	-	38 (45)	-	-	-	-	-	7.9	5.9
		P		No	-60	±20	-1.2	-1.8	-2.5	45 (58)	-	64 (83)	-	-	-	-	-	-5.9	-4.6

MOSFETs

Part Number	Package	Polarity	Configuration	ESD (Y/N)	V_{DS} (V)	V_{GS} (V)	$V_{GS(TH)}$ (V)			$R_{DS(ON)}$ (typ. mΩ) @ V_{GS}=					I_D (A) @ T_C =			I_D (A) @ T_A =	
							Min.	Typ.	Max.	10V	6V	4.5V	2.5V	1.8V	25°C	70°C	100°C	25°C	70°C
AICSC60C01GE4	TO252-4	N	Complementary	No	60	±20	1.2	1.8	2.5	31 (38)	-	38 (48)	-	-	20	-	13	-	-
		P		No	-60	±20	-1.2	-1.8	-2.5	66 (78)	-	78 (108)	-	-	-14	-	-9	-	-
AICSC60C01GQ8D	PDFN-8 (5x6)	N	Complementary	No	60	±20	1.2	1.8	2.5	- (45)	-	- (55)	-	-	27	21	17		
		P		No	-60	±20	-1.2	-1.8	-2.5	- (95)	-	- (120)	-	-	-18	-14	-11		
AICSC6240GQ8D	PDFN-8 (5x6)	N	Complementary	No	60	±20	1	-	2.5	31 (38)	-	38 (48)	-	-	27	21	17	6	4.8
		P		No	-60	±20	-1	-	-2.5	70 (85)	-	90 (105)	-	-	-18	-14	-11	-4	-3.2
AICSC60N33GS8	SOP-8	N		No	60	±20	1.2	1.8	2.5	32 (39)	-	39 (49)	-	-	20	-	13		
		N		No	60	±20	1.2	1.8	2.5	32 (39)	-	39 (49)	-	-	20	-	13		
AICSC100C03GS8	SOP-8	N	Complementary	No	100	±20	1.2	1.8	2.5	117 (145)	-	121 (150)	-	-	-	-	-	2.6	2.1
		P		No	-100	±20	-1.2	-1.8	-2.5	223 (260)	-	253 (280)	-	-	-	-	-	-2.1	-1.7
AICSC100C03GQ8D	PDFN-8 (5x6)	N	Complementary	No	100	±20	1	-	2.5	123 (150)	-	128 (155)	-	-	13	-	8		
		P		No	-100	±20	-1	-	-2.5	223 (264)	-	253 (324)	-	-	-9	-	-6		
AICSS6EN1K4GT3F	TO220F-3	N	Single	No	650	±30	2	3	4	1100 (1400)	-	-	-	-	7	-	4.4	-	-
AICSS6ENH00GT3F	TO220F-3	N	Single	No	650	±30	2	3	4	650 (800)	-	-	-	-	12	-	7.5	-	-

PWM Controller + SR Driver

PN	IC Type	Voltage Start-up	Fsw (Hz)	Power BASE	Topology	Package	Basic Application
AIC96000Z	PWM Controller	HV-Start	67k fixed + green mode	<65W	Flyback	SOP-8	1. Flyback adapter <65W, meet level 5 2. Open frame for industrial Power <65W, meet level 5
AIC96002H	PWM Controller	HV-Start + Cap-discharge	100k fixed + green mode	<65W	Flyback	SOP-8	1. Flyback adapter <65W, meet level 6 2. Open frame for industrial Power <65W, meet level 6 3. SPS Standby Power Reduce Components without (CM02/3 ZERO-CAP)
AIC91687Z	PWM Controller	HV-Start	multi-mode + Fsw adj	40W ~ 300W	1. Flyback 2. Double ended Flyback	SOP-10	1. Flyback Topology 40W ~ 300W, meet Level 6 2. Open frame for industrial Power 40W ~ 300W, meet level 6 3. SPS Standby Power Reduce Components without (CM02/3 ZERO-CAP)
AIC91688Z	PWM Controller	HV-Start + Cap-discharge	multi-mode + Fsw adj	40W ~ 300W	1. Flyback 2. Double ended Flyback	SOP-10	1. Flyback Topology 40W ~ 300W, meet Level 6 2. Open frame for industrial Power 40W ~ 300W, meet level 6 3. SPS Standby Power Reduce Components without (CM02/3 ZERO-CAP)
AIC96902Z	SR Driver			40W ~ 300W	1. Flyback 2. Double ended Flyback 3. Forward	SOP-8	1. Flyback / Forward Topology 40W ~ 300W, meet Level 6 2. Industrial Power 40W ~ 300W, meet level 6 3. Standby Power for PC / Server Power

PFC (Pseudo Digital Control) Controller

PN	Control	Fsw (Hz)	PF & THD	Power Base	Topology	Package	Basic Application
AIC96101Z	Digital Control (No Coding Required) Analog Compensator	Fsw adj + Multi-mode (CRM/CCM), improve efficiency	PF>0.98 THD<3%	<2000W	1. Flyback 2. Boost	SOP-14	1. PC Power Good Pin 2. Industrial Power 100W ~ 1500W with Fast Transient Response
AIC96102Z	Digital Control (No Coding Required) Analog Compensator	Fsw adj + Multi-mode (CRM/DCM/CCM), improve efficiency	PF>0.98 THD<3%	<2000W	1. Flyback 2. Boost	SOP-10	Industrial Power 100W ~ 1500W with Fast Transient Response
AIC96103Z	Digital Control (No Coding Required) Analog Compensator	Fsw adj + Multi-mode (CRM/DCM/CCM), improve efficiency	PF>0.98 THD<3%	<2000W	1. Flyback 2. Boost	SOP-14	1. PC Power Good Pin 2. Industrial Power 100W ~ 1500W with Fast Transient Response
AIC96105Z	Digital Control (No Coding Required) Analog Compensator	Fsw adj + Multi-mode (CRM/DCM/CCM), improve efficiency	PF>0.98 THD<3%	<2000W	1. Flyback 2. Boost	SOP-10	Industrial Power 100W ~ 1500W with Fast Transient Response
AIC96201Z	Digital Control (No Coding Required) Analog Compensator	Fsw adj + Multi-mode (CRM/DCM/CCM), improve efficiency	PF>0.98 THD<3%	<4000W	1. Interleave 2. Flyback 3. Boost	TSSOP-20	Industrial Power 100W ~ 3000W with Fast Transient Response and Best EMI

Resonant Controller

PN	Control	Operation Mode	Power Base	Topology	Package	Basic Application
AIC96301Z	1. Digital Control (No Coding Required) 2. Analog Compensator	Multi-mode (CRM/DCM/CCM), improve efficiency	1. HB/FB < 2000W 2. Interleave HB/FB <7000W 3. FB + PHASE-SHIFT <3000W	1. HB/FB 2. Interleave HB/FB 3. FB+PHASE-SHIFT	TSSOP-20	1. Half Bridge / Full Bridge 2. Quick Transient Response 3. Single/Interleaved SRC/LLC Operation 4. Multi-Mode PFM+GFM Operation 5. Optional Phase Shift Operation in Full Bridge Architecture 6. Embedded Synchronous Rectifier Control 7. Adjustable Time Control improve efficiency 8. Best solution for power designer

Buck Controller

PN	Basic Functions	Basic Application	Package
AIC98853Z	1. Over-Voltage Protection 120% 2. under-Voltage Protection 50% 3. Over Temperature Protection 4. Fsw free run =150k, RT pin 可調頻, Vref = IV 5. Voltage Mode = PWM Control Loop Operation 6. Integrated Boot-strap Diode 7. High Side MOS's Rdson OCP Sense 8. Single (1) CH	1. 12V to 5V/3.3V for PC power 2. Function pin to pin with APW7073	SOP-14
AIC98852Z	1. Over-Voltage Protection 120% 2. under-Voltage Protection 50% 3. Over Temperature Protection 4. Fsw free run =150k, RT pin 可調頻, Vref = IV 5. Voltage Mode = PWM Control Loop Operation 6. Integrated Boot-strap Diode 7. High Side MOS's Rdson OCP Sense 8. 2 CH	12V to 5V/3.3V for PC power	SOP-16
AIC92003S	1. Wide Input Voltage with 9V ~ 40V Operation 2. Up to 3A Output Current 3. Fixed Frequency 120 kHz with Easy EMI Control 4. Constant voltage and constant voltage control 5. Precision Feedback Voltage 1.2V+-1% 6. Precision CC Limit with +-5% Accuracy 7. Integrated 140mohm High Side NMOS 8. Internal MOS 4.5A Current Peak Protected in Cycle by Cycle Current Limit	1.12V to -12V for PC power 2. CAR charger 3A USB TYPE A	SOP-8

Functional IC

PN	Basic Functions	Basic Application	Package
AIC91001Z	1. VIN Operate with 4.5V ~ 24V Supply Voltage 2. UVLO Protection (min=2.5V, typ=2.7V, max=2.9V) 3. Internal Fixed Frequency 5 kHz 4. Duty Cycle Range (0~100%) 5. IN Pin Singal Range 0~3V 6. OUT Pin Driving Capability 2k ohm	1. Data modulation +photo couple like meter IC 2. Like Meter IC for Server Power	SOP-8
AIC91002Z	1. VIN Operate with 4.5V ~ 24V Supply Voltage 2. UVLO Protection (min=7V, typ=7.5V, max=8V) 3. Enable Sequence Control 4. Input Offset Voltage+-5mV 5. IN1/2 Pin Singal Range 0~Vin-2V 6. OUT1 Pin Driving Capability 5mA	1. Current Balance for server power 2. Current Balance for redundant power system	SOT23-8
AIC91051Z	1. Vcc Operate with 4.5V ~ 26V Supply Voltage 2. UVLO Protection (Rising, typ =4.2V, Falling, typ = 3.8V) 3. Internal PWM Fixed Frequency 25 kHz 4. Wide Duty Cycle Range (0~100%) 5. Internal Boost Convertor with Fixed Frequency at 250k Hz 6. Combine Mother Board and Power Supply Temperature Signals through TSET and FANCMD Turbo Boost function to enhance FAN speed 7. Precision internal reference voltage(+-1%) 8. Accept FANCMD PWMing Signal amplitude be 0~3.3V and 0~5V	Fan speed up with thermal+PWM cmd	SOP-8