

## CROSS REFERENCE PROTECTION

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
1SMA59 1SMB5.0AT3 ↓ 1SMB170AT3	SM2Zxxx SM6T6V8A or SMBJ5.0A-TR ↓ SM6T200A or SMBJ170A-TR	
1SMB5.0CAT3 ↓ 1SMB78CAT3	SM6T6V8CA or SMBJ5.0CA-TR ↓ SM6T200CA or SMBJ170CA	
1SMC5.0AT3 ↓ 1SMC78AT3	SM15T6V8A or SMCJ5.0A-TR ↓ SM15T100A or SMCJ78A-TR	
1.0KE5.0,A ↓ 1.0KE170A	1.5KE6V8A ↓ 1.5KE200A	
1.0KE5.0C,CA ↓ 1.0KE170C,CA	1.5KE6V8CA ↓ 1.5KE200CA	
1.2KE5.0,A ↓ 1.2KE170,A	1.5KE6V8,A ↓ 1.5KE200A	
1.2KE5.0C,CA ↓ 1.2KE170C,CA	1.5KE6V8CA ↓ 1.5KE200CA	
1.4KESD6.0,A ↓ 1.4KESD160,A	BZW04-5V8 ↓ BZW04-171	
1.4KESD6.0C,CA ↓ 1.4KESD160C,CA	BZW04-5V8B ↓ BZW04-171B	
1.5K12,A ↓ 1.5K200,A	1.5KE12A ↓ 1.5KE200A	
1.5KA6.8,A 1.5KA47,A		1.5KE6V8A
1.5KA6.8C,CA ↓ 1.5KA47C,CA 1.5KE6.8,A ↓ 1.5KE440,A		1.5KE6V8CA ↓ 1.5KE47CA
1.5KE6.8C,CA ↓ 1.5KE440C,CA	1.5KE6V8A ↓ 1.5KE440A	
1.5KE6.8C,CA ↓ 1.5KE440C,CA	1.5KE6V8CA ↓ 1.5KE440CA	
1.5SE6.8,A ↓ 1.5SE400,A	1.5KE6V8A ↓ 1.5KE400A	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
1.5SE6.8C,CA ↓ 1.5SE400C,CA	1.5KE6V8CA ↓ 1.5KE400CA	
1.5SMC6.8AT3 ↓ 1.5SMC91AT3	SM15T6V8A or SMCJ5.0A-TR ↓ SM15T100A or SMCJ78A-TR	
3A120 3A133 3A138 3A140 3A143 3A249 3A258	TPB100 TPB180 TPB62 TPB120 TPB200 THDT58S THDT58S	
5KP10,A ↓ 5KP110,A	BZW50-10 ↓ BZW50-100	
5KP10C,CA ↓ 5KP110C,CA	BZW50-10B ↓ BZW50-100B	
6KA24	LDP24AS	LDP24M
6KZ100,A	BZW50-100	
704-190A 704-34A 704-45A 704-56A		1.5KE200A 1.5KE36A 1.5KE47A 1.5KE56A
BR210-140 BR210-200 BR210-220 BR210-240 BR210-260 BR210-280 BR211-100 BR211-120 BR211-140 BR211-160 BR211-180 BR211-200 BR211-220 BR211-240 BR211-260 BR211-280 BR220-100 BR220-120 BR220-140 BR220-160 BR220-180 BR220-200 BR220-220 BR220-240 BR220-260 BR220-280	TPB130 TPB180 TPB200 TPB220 TPB240 TPB270 TPA100 TPA120 TPA130 TPA180 TPA180 TPA200 TPA220 TPA240 TPA270 TPA270 2*TPB100 2*TPB120 2*TPB130 2*TPB180 2*TPB180 2*TPB200 2*TPB220 2*TPB240 THBT200S 2*TPB270	
BZA100	ESDA6V1S3	

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INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
BZD23C300 BZD23C360		BZW04-342 BZW04-376
BZG04-8V2 ↓ BZG04-180	SMAJ8.5A-TR ↓ SMAJ188A-TR	
BZM85Cxx		SM2Zxx
BZT23C300 BZT23C360		BZW04-299 BZW04-376
BZW03-C100 BZW03-C10 BZW03-C120 BZW03-C12 BZW03-C150 BZW03-C15 BZW03-C180 BZW03-C18 BZW03-C200 BZW03-C220 BZW03-C22 BZW03-C240 BZW03-C24 BZW03-C27 BZW03-C30 BZW03-C33 BZW03-C36 BZW03-C39 BZW03-C47 BZW03-C56 BZW03-C68 BZW03-C7V5 BZW03-C82 BZW03-C91 BZW04-5V8,B ↓ BZW04-376,B BZW06-5V8,B ↓ BZW06-376,B BZW50-10,B ↓ BZW50-180,B		BZW04-85 BZW04-8V5 BZW04-102 BZW04-10 BZW04-128 BZW04-13 BZW04-154 BZW04-15 BZW04-171 BZW04-188 BZW04-19 BZW04-213 BZW04-20 BZW04-23 BZW04-26 BZW04-28 BZW04-31 BZW04-33 BZW04-40 BZW04-48 BZW04-58 BZW04-6V4 BZW04-70 BZW04-78
	BZW04-5V8,B ↓ BZW04-376,B BZW06-5V8,B ↓ BZW06-376,B BZW50-10,B ↓ BZW50-180,B	
CP2009 ↓ CP2440 CP2009A ↓ CP2440A CP3012 ↓ CP3220 DFP012 ↓ DFP230	1.5KE10CA ↓ 1.5KE440CA 1.5KE10CA ↓ 1.5KE440CA BZW50-10B ↓ BZW50-100B BZW50-10B ↓ BZW50-180B	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
EPS12 EPS15 EPS24 EPS28 EPS33 EPS48	1.5KE15A 1.5KE18A 1.5KE30A 1.5KE33A 1.5KE39A 1.5KE56A	
F1N6102,A ↓ F1N6137,A F1N6138,A ↓ F1N6173,A	P6KE6V8CA ↓ P6KE180CA 1.5KE6V8CA ↓ 1.5KE180CA	
FP1006,A ↓ FP1275,A FP2006,A ↓ FP2275,A FP3012,A ↓ FP3180,A	P6KE6V8CA ↓ P6KE280CA 1.5KE6V8CA ↓ 1.5KE300CA BZW50-12B ↓ BZW50-180B	
FX1N6102,A ↓ FX1N6137,A FX1N6138,A ↓ FX1N6173,A	P6KE6V8CA ↓ P6KE180CA 1.5KE6V8CA ↓ 1.5KE180CA	
HSMCG5.0,A ↓ HSMCG170,A		SM15T6V8A or SMCJ5.0A-TR ↓ SM15T200A or SMCJ170A-TR
HSMCG5.0C,CA ↓ HSMCG170C,CA		SM15T6V8CA or SMCJ5.0CA-TR ↓ SM15T200CA or SMCJ170CA-TR
HSMCJ5.0,A ↓ HSMCJ170,A	SM15T6V8A or SMCJ5.0A-TR ↓ SM15T200A or SMCJ170A-TR	
HSMCJ5.0C,CA ↓ HSMCJ170C,CA	SM15T6V8CA or SMCJ5.0CA-TR ↓ SM15T200CA or SMCJ170CA-TR	
ICT-45,C ICT-5 ICT-8,C ICTE-45,C ICTE-5	1.5KE56A,CA 1N5908	1.5KE56A,CA 1N5908 1.5KE10A,CA

## PROTECTION

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
ICTE-8,C	1.5KE10A,CA	
KL3L07 KL3N14 KL3R20	SMTPA62 SMTPA120 SMTPA200	
KP10L07 KP10L08 KP10N12 KP10N14 KP10R25 KP10R29 KP4L07 KP4L08 KP4L08 KP4N14 KP4R25		SMP100-65 SMP100-65 SMP100-140 SMP100-140 SMP100-230 SMP100-270 SMP100-65 SMP100-65 SMP100-140 SMP100-140 SMP100-230
KW4R20	TSI200B1	
L2B6V8 L2B7V5,C ↓ L2B400,C L2C6V8 L2C7V5,C ↓ L2C400,C	P6KE6V8A P6KE7V5A,CA ↓ P6KE400A,CA P6KE6V8A P6KE7V5A,CA ↓ P6KE400A,CA	
L3100B1 L3100B L3121B	L3100B1 L3100B L3121B	
L4A6.8,C ↓ L4A200,C L4B6.8,C ↓ L4B200,C L4C6.8,C ↓ L4C200,C L4D6.8,C ↓ L4D200,C L4H6.8,C ↓ L4H200,C	P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA P6KE6V8A,CA ↓ P6KE200A,CA	
L8B6V8,C ↓ L8B400,C L8B7V5L ↓ L8C170L L8C6V8,C ↓ L8C400,C		1.5KE6V8A,CA ↓ 1.5KE400A,CA 1.5KE10A ↓ 1.5KE200A,CA 1.5KE6V8A,CA ↓ 1.5KE400A,CA

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
L8C7V5L ↓ L8B170L		1.5KE10A,CA ↓ 1.5KE200A
L13B6V8,C ↓ L13B400,C L13B6V5L ↓ L13B170L L13C6V8 ↓ L13C220,C L13C7V0L ↓ L13C170L		1.5KE6V8A,CA ↓ 1.5KE400A,CA 1.5KE7V5A ↓ 1.5KE200A 1.5KE6V8A ↓ 1.5KE220A,CA 1.5KE7V5A ↓ 1.5KE200A
LC6.5,A ↓ LC170,A LCE6.5,A ↓ LCE170,A		1.5KE7V5A ↓ 1.5KE200A 1.5KE7V5A ↓ 1.5KE200A
MGSS150	LCP1511D	
MMBZ6V2ALT1 MMQA5V6T1	ESDA6V1L ESDA6V1SC6	
MPT-5 MPTE-45,C MPTE-5 MPTE-8,C	1N5908	1N5908 1.5KE56A,CA 1.5KE10A,CA
MR2520L MR2535L MR2535S MR2835S	BZW50-27 BZW50-22	LDP24AS LDP24M LDP24M
MTP-45,C MTP-8,C		1.5KE56A,CA 1.5KE10A,CA
P0300SB		SMP75-8
P0640EA70 P0640SA		TPB62 SMP100-65
P0720EA70 P0720SA		TPB68 SMP100-65
P0800EA70 P0800SA		TPB62 SMP100-65
P1100EA70 P1100SA	SMTPA100	TPA100
P1300EA70 P1300SA	SMTPA120	TPA120
P1500EA70 P1500SA	SMTPA130	TPA130
P1602AA P1602AB		2*TPA62 2*TPB62
P1.5KE10 P1.5KE440C,CA P1.5KE440,A P1.5KE6.8C,CA		1.5KE10A 1.5KE300CA 1.5KE300A 1.5KE10CA
P2000AA61		TPA180

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INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
P2200AA61 P2202AA P2202AB		TPA200 2*TPA100 2*TPA100
P2300BA70 P2300EA70 P2300SB	SMP100-200	TPB180 TPA180
P2353AA	THBT200SD	
P2400AA61		TPA200
P2500AA61		TPA220
P2600BA70 P2600EA70 P2600SA P2600SB	SMPA220	TPB200 TPA200 SMP100-230
P2702AA P2702AB		2*TPA110 2*TPB110
P3000AA61 P3002AA P3002AB		TPA240 2*TPA130 2*TPB130
P3100BA70 P3100EA70 P3100SA P3100SB	SMPA270 SMP100-270	TPB270 TPA270
P3300AA61		TPA270
P3500BA70 P3500EA70 P3500SA P3500SB		TPB270 TPA270 SMPA270 SMP100-270
P4802AB	2*TPB200	
P4KA10A P4KA12A P4KA15A P4KA18A P4KA22A P4KA24A P4KA27A P4KA30A P4KA33A P4KA36A P4KA39A	BZW04-8V5 BZW04-10 BZW04-13 BZW04-15 BZW04-19 BZW04-20 BZW04-23 BZW04-26 BZW04-28 BZW04-31 BZW04-33	
P4KE100A,CA P4KE10A,CA P4KE120A,CA P4KE12A,CA P4KE150A,CA P4KE15A,CA P4KE180A,CA P4KE18A,CA P4KE200A,CA P4KE220A,CA P4KE22A,CA P4KE24A,CA P4KE250A,CA P4KE27A,CA P4KE300A,CA P4KE30A,CA	BZW04-85,B BZW04-8V5,B BZW04-102,B BZW04-10,B BZW04-128,B BZW04-13,B BZW04-154,B BZW04-15,B BZW04-171,B BZW04-188,B BZW04-19,B BZW04-20,B BZW04-213,B BZW04-23,B BZW04-256,B BZW04-26,B	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
P4KE33A,CA P4KE350A,CA P4KE36A,CA P4KE39A,CA P4KE400A,CA P4KE47A,CA P4KE56A,CA P4KE68A,CA P4KE6.8A,CA P4KE7.5A,CA P4KE82A,CA	BZW04-28,B BZW04-299,B BZW04-31,B BZW04-33,B BZW04-342,B BZW04-40,B BZW04-48,B BZW04-58,B BZW04-5V8,B BZW04-6V4,B BZW04-70,B	
P5KE10,A P5KE12,A P5KE13,A P5KE15,A P5KE16,A P5KE18,A P5KE22,A P5KE24,A P5KE26,A P5KE28,A P5KE30,A P5KE33,A P5KE5.0,A P5KE6.0,A P5KE6.5,A P5KE8.5,A P5KE40,A P5KE48,A P5KE58,A P5KE60,A P5KE70,A P5KE85,A P5KE100,A P5KE120,A P5KE130,A P5KE150,A P5KE160,A P5KE170,A P5KE5.0C,CA P5KE6.0C,CA P5KE6.5C,CA P5KE8.5C,CA P5KE10C,CA P5KE12C,CA P5KE13C,CA P5KE15C,CA P5KE16C,CA P5KE18C,CA P5KE22C,CA P5KE24C,CA P5KE26C,CA P5KE28C,CA P5KE30C,CA P5KE33C,CA	P6KE12A P6KE15A P6KE15A P6KE18A P6KE18A P6KE22A P6KE27A P6KE27A P6KE30A P6KE33A P6KE36A P6KE39A P6KE6V8A P6KE6V8A P6KE7V5A P6KE10A P6KE47A P6KE56A P6KE68A P6KE68A P6KE82A P6KE100A P6KE120A P6KE150A P6KE150A P6KE180A P6KE180A P6KE200A P6KE6V8CA P6KE6V8CA P6KE7V5CA P6KE10CA P6KE12CA P6KE15CA P6KE15CA P6KE18CA P6KE18CA P6KE22CA P6KE27CA P6KE27CA P6KE30CA P6KE33CA P6KE36CA P6KE39CA	

## PROTECTION

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
P5KE40C,CA P5KE48C,CA P5KE58C,CA P5KE60C,CA P5KE70C,CA P5KE85C,CA P5KE100C,CA P5KE120C,CA P5KE130C,CA P5KE150C,CA P5KE160C,CA P5KE170C,CA	P6KE47CA P6KE56CA P6KE68CA P6KE68CA P6KE82CA P6KE100CA P6KE120CA P6KE150CA P6KE150CA P6KE180CA P6KE180CA P6KE200CA	
P6002AB	2*TPB240	
P6KA6.8,A ↓ P6KA47,A P6KA6.8C,CA ↓ P6KA43C,CA P6KE6V8,A ↓ P6KE440,A P6KE6V8C,CA ↓ P6KE440C,CA P6SE6.8,A ↓ P6SE200,A P6SE6V8C,CA ↓ P6SE200C,CA	P6KE6V8A ↓ P6KE47A P6KE6V8CA ↓ P6KE43CA P6KE6V8A ↓ P6KE440A P6KE6V8CA ↓ P6KE440CA P6KE6V8A ↓ P6KE200A P6KE6V8CA ↓ P6KE440CA	
P6SMB6.8AT3 ↓ P6SMB200AT3	SM6T6V8A or SMBJ5.0A-TR ↓ SM6T200A or SMBJ170A-TR	
P6SMB11CAT3 ↓ P6SMB91CAT3	SM6T12CA or SMBJ10CA-TR ↓ SM6T100CA or SMBJ85CA-TR	
P7KE10,C P7KE25,C P7KE43,C P7KE100,C		P6KE10A,CA P6KE30A,CA P6KE47A,CA P6KE120A,CA
P-P6KE6.8,A ↓ P-P6KE200,A P-P6KE6.8C,CA ↓ P-P6KE200C,CA	P6KE6V8A ↓ P6KE200A P6KE6V8CA ↓ P6KE200CA	
R5KP10,A ↓ R5KP110,A		BZW50-10 ↓ BZW50-120

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
R5KP10C,CA ↓ R5KP110C,CA		BZW50-10B ↓ BZW50-120B
SA6.0,A SA6.5,A SA10,A SA13,A SA15,A SA20,A SA22,A SA26,A SA28,A SA30,A SA33,A SA40,A SA48,A SA58,A SA70,A SA85,A SA100,A SA120,A SA150,A SA170,A SA6.0C,CA SA6.5C,CA SA10C,CA SA13C,CA SA15C,CA SA20C,CA SA22C,CA SA26C,CA SA28C,CA SA30C,CA SA33C,CA SA40C,CA SA48C,CA SA58C,CA SA70C,CA SA78C,CA SA85C,CA SA100C,CA SA120C,CA SA150C,CA SA170C,CA SAB10 SAB15 SAB28	BZW06-5V8 BZW06-6V4 BZW06-10 BZW06-13 BZW06-15 BZW06-20 BZW06-23 BZW06-26 BZW06-28 BZW06-31 BZW06-33 BZW06-40 BZW06-48 BZW06-58 BZW06-70 BZW06-85 BZW06-102 BZW06-128 BZW06-154 BZW06-171 BZW06-5V8B BZW06-6V4B BZW06-10B BZW06-13B BZW06-15B BZW06-20B BZW06-23B BZW06-26B BZW06-28B BZW06-30B BZW06-33B BZW06-40B BZW06-48B BZW06-58B BZW06-70B BZW06-78B BZW06-85B BZW06-102B BZW06-128B BZW06-154B BZW06-171 BZW06-10 BZW06-15 BZW06-28	
SBL10,C SBL25,C SBL100,C		BZW06-10 BZW06-26 BZW06-102
SGT06U13 SGT23B13 SGT23U13 SGT27B13		TPB62 TPB220 TPB220 TPB270
SICT-5 SICT-8,C	1.5KE10A,CA	1N5908

## PROTECTION

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
SICT-45,C	1.5KE56A,CA	
SICTE-5	1N5908	
SICTE-8,C	1.5KE10A,CA	
SICTE-45,C	1.5KE56A,CA	
SLC6.5,A	1.5KE7V5A	
SLC170,A	1.5KE200A	
SLCE6.5,A	1.5KE7V5A	
SLCE170,A	1.5KE200A	
SM05	ESDA6V1L	
SM4T6V8A,CA ↓		SMAJ5.0A,CA-TR ↓
SM4T220A,CA		SMAJ188A,CA-TR
SM6T6V8A,CA ↓	SM6T6V8A,CA or SMBJ5.0A,CA-TR ↓	
SM6T220A,CA	SM6T220A,CA or SMBJ188A,CA-TR	
SM15T6V8A,CA ↓	SM15T6V8A,CA or SMCJ5.0A,CA-TR ↓	
SM15T220A,CA	SM15T220A,CA or SMCJ188A,CA-TR	
SMAJ5.0A ↓	SMAJ5.0A-TR ↓	
SMAJ170A SMAJ5.0CA ↓	SMAJ170A-TR SMAJ5.0CA-TR ↓	
SMAJ24CA	SMAJ24CA-TR	
SMBG5.0,A ↓		SM6T6V8A or SMBJ5.0A-TR ↓
SMBG170,A		SM6T200A or SMBJ170A-TR
SMBG5.0C,CA ↓		SM6T6V8CA or SMBJ5.0CA-TR ↓
SMBG170C,CA		SM6T200CA or SMBJ170CA-TR
SMBJ5.0A,CA	SMBJ5.0A,CA-TR	
SMBJ6.0A,CA	SM6T6V8A,CA or SMBJ5.0A,CA-TR	
SMBJ6.5A,CA	SM6T7V5A,CA or SMBJ6.5A,CA-TR	
SMBJ9.A,CA	SM6T10A,CA or SMBJ8.5A,CA-TR	
SMBJ10A,CA	SM6T12A,CA or SMBJ10A,CA-TR	
SMBJ12A,CA	SM6T15A,CA or SMBJ12A,CA-TR	
SMBJ13A,CA	SM6T15A,CA or SMBJ13A,CA-TR	
SMBJ15A,CA	SM6T18A,CA or SMBJ15A,CA-TR	
SMBJ18A,CA	SM6T22A,CA or SMBJ18A,CA-TR	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
SMBJ20A,CA	SM6T24A,CA or SMBJ20A,CA-TR	
SMBJ22A,CA	SM6T27A,CA or SMBJ22A,CA-TR	
SMBJ24A,CA	SM6T27A,CA or SMBJ24A,CA-TR	
SMBJ26A,CA	SM6T30A,CA or SMBJ26A,CA-TR	
SMBJ28A,CA	SM6T33A,CA or SMBJ28A,CA-TR	
SMBJ30A,CA	SM6T36A,CA or SMBJ30A,CA-TR	
SMBJ33A,CA	SM6T39A,CA or SMBJ33A,CA-TR	
SMBJ40A,CA	SMBJ40A,CA-TR	
SMBJ43A,CA	SM6T51A,CA or	
SMBJ48A,CA	SMBJ48A,CA-TR	
SMBJ58A,CA	SM6T68A,CA or SMBJ58A,CA-TR	
SMBJ70A,CA	SMBJ70A,CA-TR	
SMBJ85A,CA	SM6T100A,CA or SMBJ85A,CA-TR	
SMBJ90A,CA	SMBJ90A,CA-TR	
SMBJ100A,CA	SMBJ100A,CA-TR	
SMBJ130A,CA	SM6T150A,CA or SMBJ130A,CA-TR	
SMBJ154A,CA	SMBJ154A,CA-TR	
SMBJ170A,CA	SM6T200A,CA or SMBJ170A,CA-TR	
SMBJ188A,CA	SM6T220A,CA or SMBJ188A,CA-TR	
SMCG5.0,A ↓		SM15T6V8A or SMCJ5.0A-TR ↓
SMCG170,A		SM15T200A or SMCJ170A-TR
SMCG5.0C,CA ↓		SM15T6V8CA or SMCJ5.0CA-TR ↓
SMCG170C,CA		SM15T200CA or SMCJ170CA-TR
SMCJ5.0,A	SM15T6V8A or SMCJ5.0A-TR	
SMCJ6.5,A	SM15T7V5A or SMCJ6.5A-TR	
SMCJ8.5,A	SM15T10A or SMCJ8.5A-TR	
SMCJ10,A	SM15T12A or SMCJ10A-TR	
SMCJ13,A	SM15T15A or SMCJ13A-TR	
SMCJ16,A	SM15T18A or SMCJ16A-TR	
SMCJ24,A	SM15T27A or SMCJ24A-TR	

## PROTECTION

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
SMCJ26,A	SM15T30A or SMCJ26A-TR	
SMCJ28,A	SM15T33A or SMCJ28A-TR	
SMCJ33,A	SM15T39A or SMCJ33A-TR	
SMCJ58,A	SM15T68A or SMCJ58A-TR	
SMCJ60,A	SM15T68A or SMCJ60A-TR	
SMCJ85,A	SM15T100A or SMCJ85A-TR	
SMCJ130,A	SM15T150A or SMCJ130A-TR	
SMCJ170,A	SM15T200A or SMCJ170A-TR	
SMCJ6.5C,CA	SM15T7V5CA or SMCJ6.5CA-TR	
SMCJ8.5C,CA	SM15T10CA or SMCJ8.5CA-TR	
SMCJ10C,CA	SM15T12CA or SMCJ10CA-TR	
SMCJ24C,CA	SM15T27CA or SMCJ24CA-TR	
SMCJ26C,CA	SM15T30CA or SMCJ26CA-TR	
SMCJ33C,CA	SM15T39CA or SMCJ33CA-TR	
SMCJ58C,CA	SM15T68CA or SMCJ58CA-TR	
SMCJ60C,CA	SM15T68CA or SMCJ60CA-TR	
SMCJ85C,CA	SM15T100CA or SMCJ85CA-TR	
SMCJ130C,CA	SM15T150CA or SMCJ130CA-TR	
SMCJ170C,CA	SM15T200CA or SMCJ170CA-TR	
SMDA05-6 SMDA05-18 SMDA24C-4	ESDA6V1U1 ESDA6V1S3 ESDA25B1	ESDA6V2S6
SML47xx	SM2Zxx	
SMMG5.0,A  ↓ SMMG170,A		SM15T6V8A or SMCJ5.0A-TR  ↓ SM15T200A or SMCJ170A-TR
SMMG170C,CA		SM15T200CA or SMCJ170CA-TR
SMMJ5.0,A	SM15T6V8A or SMCJ5.0A-TR	
SMMJ170,A	SM15T200A or SMCJ170A-TR	
SMMJ5.0C,CA	SM15T6V8CA or SMCJ5.0CA-TR	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
SMMJ170C,CA	SM15T200CA or SMCJ170CA-TR	
SMSG5.0,A  ↓ SMSG170,A		SM6T6V8A SMBJ5.0A-TR  ↓ SM6T200A SMBJ170A-TR
SMSG5.0C,CA  ↓ SMSG170C,CA		SM6T6V8CA SMBJ5.0A-TR  ↓ SM6T200CA SMBJ170CA-TR
SMSJ5.0,A  ↓ SMSJ170,A	SM6T6V8A SMBJ5.0A-TR  ↓ SM6T200A SMBJ170A-TR	
SMSJ5.0C,CA  ↓ SMSJ170C,CA	SM6T6V8CA-TR SMBJ5.0A-TR  ↓ SM6T200CA SMBJ170CA-TR	
SMTHBT200	SMTHBT200	
SOV5.0 SOV10 SOV12 SOV15 SOV18 SOV24 SOV28		1N5809 P6KE12A P6KE15A P6KE18A P6KE22A P6KE27A P6KE33A
TCM1030D TCM1030P TCM1060D TCM1060P	LCP1511D  LCP1511D	LCP1511D  LCP1511D
TGL41-6.8,A		SMAJ5.0A-TR
THDT5111 THDT5112 THDT6511 THDT6512	THDT6511D	THDT6511D THDT6511D THDT6511D
TISP1072F3D TISP1072F3P TISP1082F3D TISP1082F3P TISP1082F3SL TISP3072F3D TISP3072F3P TISP3072F3SL TISP3082F3D TISP3082F3P TISP3082F3SL TISP3125F3D TISP3125F3P TISP3125F3SL TISP3150F3D	THDT58S1	THDT6511D THDT6511D THDT6511D THDT6511D  2*SMTPA62 2*TPA62 2*TPA62 2*SMTPA62 2*TPA62 2*TPA62 2*SMTPA100 2*TPA100 2*TPA100 2*SMTPA120

## PROTECTION

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST	INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
TISP3150F3P	THBT200S	2*TPA120	TMPG06-7.5	BZW04-6V4 BZW04-8V5 BZW04-10 BZW04-13 BZW04-15 BZW04-19 BZW04-20 BZW04-23 BZW04-26 BZW04-28 BZW04-31 BZW04-33 BZW04-5V8 BZW04-6V4 BZW04-8V5 BZW04-10 BZW04-13 BZW04-15 BZW04-19 BZW04-20 BZW04-23 BZW04-26 BZW04-28 BZW04-31 BZW04-33 BZW04-37	
TISP3150F3SL		2*TPA120	TMPG06-10		
TISP3180F3D		2*SMTPA130	TMPG06-12		
TISP3180F3P		2*TPA130	TMPG06-15		
TISP3180F3SL		2*TPA130	TMPG06-18		
TISP3240F3D		2*SMTPA180	TMPG06-22		
TISP3240F3P		2*TPA180	TMPG06-24		
TISP3240F3SL		2*TPA180	TMPG06-27		
TISP3260F3SL		2*SMTPA200	TMPG06-30		
TISP3360F3D		2*TPA200	TMPG06-33		
TISP3360F3SL		2*TPA200	TMPG06-36		
TISP3290F3D		2*SMTPA220	TMPG06-39		
TISP3290F3P		2*TPA220	TMPG06-6.8A		
TISP3290F3SL		2*TPA220	TMPG06-7.5A		
TISP3320F3D		2*SMTPA240	TMPG06-10A		
TISP3320F3P		2*TPA240	TMPG06-12A		
TISP3320F3SL		2*TPA240	TMPG06-15A		
TISP3380F3D		2*SMTPA270	TMPG06-18A		
TISP3380F3P		2*TPA270	TMPG06-22A		
TISP3380F3SL		2*TPA270	TMPG06-24A		
TISP4072F3D		SMTPA62	TMPG06-27A		
TISP4072F3SL		TPA62	TMPG06-30A		
TISP4082F3D		SMTPA62	TMPG06-33A		
TISP4082F3SL		TPB62	TMPG06-36A		
TISP4125F3D		SMTPA100	TMPG06-39A		
TISP4125F3SL		TPA100	TMPG06-43A		
TISP4150F3D		SMTPA120	TPSMA6.8,A		
TISP4150F3SL		TPA120	↓		
TISP4180F3D		SMTPA130	TPSMA39,A		
TISP4180F3SL		TPA150	↓		
TISP4240F3D		SMTPA180	TPSMC6.8,A		
TISP4240F3SL		TPA180	↓		
TISP4260F3D		SMTPA200	TPSMC39,A		
TISP4260F3SL		TPA200	↓		
TISP4290F3D		SMTPA220	TPSMC6.8C,CA		
TISP4290F3SL		TPA220	↓		
TISP4320F3D		SMTPA240	TPSMC39C,CA		
TISP4320F3SL		TPA240	↓		
TISP4380F3D		SMTPA270	TSMB6.8,A		
TISP4380F3SL		TPA270	↓		
TISP7125F3D		TPI8011N	TSMB200,A		
TISP7125F3P		TPI8011N	↓		
TISP7180F3D		TPI12011N	TSMB6.8C,CA		
TISP7180F3P		TPI12011N	↓		
TISP7240F3D		THBT15011D	TSMB200C,CA		
TISP7240F3P		THBT15011D	↓		
TISP7260F3D		THBT20011D	TSMC6.8,A		
TISP7260F3P		THBT20011D	↓		
TISP7290F3D		THBT20011D	TSMC200,A		
TISP7290F3P		THBT20011D	↓		
TISP7320F3D		THBT27011D	SM6T6V8A or SMBJ5.0A-TR		
TISP7320F3P		THBT27011D	↓		
TISP7380F3D		THBT27011D	SM6T200A or SMBJ170A-TR		
TISP7380F3P		THBT27011D	↓		
TISP61CAP3P	LCP1511D	SM6T6V8CA or SMBJ5.0A-TR			
TMPG06-6.8		BZW04-5V8			SM6T200CA or SMBJ170CA-TR
					SM15T6V8A or SMCJ5.0A-TR
					↓
					SM15T200A or SMCJ170A-TR



INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
TSMC6.8C,CA ↓ TSMC200C,CA		SM15T6V8CA or SMCJ5.0CA-TR ↓ SM15T200CA or SMCJ170CA-TR
TSM170.A		SMAJ170A-TR
TVS505 TVS528	BZW04-5V8 BZW04-28	
TZB6.8A ↓ TZB400A	BZW04-5V8 ↓ BZW04-342	
TZB6.8B ↓ TZB400B	BZW04-5V8 ↓ BZW04-342	
TZB6.8CA ↓ TZB400CA	BZW04-5V8B ↓ BZW04-342B	
TZB6.8CB ↓ TZB400CB	BZW04-5V8B ↓ BZW04-342B	
Z1015 ↓ Z1150	BZW04-13B ↓ BZW04-154B	
Z2009U,A ↓ Z2220U,A	P6KE10A ↓ P6KE220A	

INDUSTRY STANDARD	SGS-THOMSON EQUIVALENT	SGS-THOMSON NEAREST
Z2009,A ↓ Z2220,A	P6KE10CA ↓ P6KE220CA	
ZD024 ZD068	BZW04-22B BZW04-56B	
ZP1006,A ↓ ZP1400,A	P6KE6V8A ↓ P6KE400A	
ZP2006,A ↓ ZP2275,A	1.5KE6V8A ↓ 1.5KE400A	
ZP3012A ↓ ZP3200A	BZW50-10 ↓ BZW50-180	
ZP5027S ZP5028S ZP5030S	LDP24AS LDP24AS LDP24AS	LDP24M LDP24M LDP24M
ZZ-16 ZZ-36 ZZ-62 ZZ-160	P6KE18CA P6KE36CA P6KE62CA P6KE160CA	
ZZY-16 ZZY-36 ZZY-62 ZZY-160	P6KE18CA P6KE36CA P6KE62CA P6KE160CA	

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