

TVS Competitive Cross Reference – 1

Package	P _{PPM}	Pulse/BrightKing	Littelfuse	Vishay	ST	DIODES
SMAJ	400W	SMAJ	SMAJ	SMAJ	SMAJ	SMAJ
		SMAJ15A	SMAJ15A	SMAJ15A	SMAJ15A	SMAJ15A
		SMAJ-AT	SZ1SMA	SMAJ-HE3/HM3	/	/
		SMAJ12CA-AT	SZ1SMA12CAT3G	SMAJ12CA-HE3/HM3	/	/
		P4SMA	P4SMA	P4SMA	/	/
		P4SMA6.8A	P4SMA6.8A	P4SMA6.8A	/	/
		P4SMA-AT	/	P4SMA-HE3/HM3	SM4TY	/
		P4SMA6.8A-AT	/	P4SMA6.8A-HE3/HM3	SM4T6V7CAY	/
	500W	SMAJ-HP	/	SMA5J	/	/
		SMAJ5.0A-HP	/	SMA5J5.0A	/	/
	600W	SMAJ-HP6	SMA6J	SMA6J	SMA6J	P6SMAJ
		SMAJ10A-HP6	SMA6J10A	SMA6J10A	SMA6J10A	P6SMAJ10ADF
SMBJ	600W	SMBJ	SMBJ	SMBJ	SMBJ	SMBJ
		SMBJ5.0CA	SMBJ5.0CA	SMBJ5.0CA	SMBJ5.0CA	SMBJ5.0CA
		SMBJ-AT	SZ1SMB	SMBJ-HE3/HM3	/	/
		SMBJ11A-AT	SZ1SMB11AT3G	SMBJ11A-HE3/HM3	/	/
		P6SMB	P6SMB	P6SMB	SM6T	/
		P6SMB6.8A	P6SMB6.8A	P6SMB6.8A	SM6T6V8A	/
		P6SMB-AT	SZP6SMB	P6SMB-HE3/HM3	/	/
		P6SMB12CA-AT	SZP6SMB12CAT3G	P6SMB12CA-HE3/HM3	/	/
	1000W	1.0SMB	1KSMB	SMB10J	/	/
		1.0SMB6.8CA	1KSMB6.8CA	SMB10J5.0CA	/	/
SMCJ	1500W	SMCJ	SMCJ	SMCJ	SMCJ	SMCJ
		SMCJ10CA	SMCJ10CA	SMCJ10CA	SMCJ10CA	SMCJ10CA
		SMCJ-AT	SZ1SMC	SMCJ-HE3/HM3	/	/
		SMCJ12A-AT	SZ1SMC12AT3G	SMCJ12A-HE3/HM3	/	/
		1.5SMC	1.5SMC	1.5SMC	SM15T	/
		1.5SMC6.8CA	1.5SMC6.8CA	1.5SMC6.8CA	SM15T6V8CA	/
		1.5SMC-AT	SZ1.5SMC	1.5SMC-HE3/HM3	SM15TY	/
		1.5SMC15A-AT	SZ1.5SMC15AT3G	1.5SMC15A-HE3/HM3	SM15T15AY	/
	3000W	SMDJ	SMDJ	SMC3K	SMC30J	3.0SMCJ
		SMDJ22A	SMDJ22A	SMC3K22A	SMC30J22A	3.0SMCJ22A
		SMDJ-AT	TPSMD	SMC3K-HM3	SM30TY	/
		SMDJ22CA-AT	TPSMD22CA	SMC3K22CA-HM3	SM30T26CAY	/
	5000W	5.0SMDJ	5.0SMDJ	SMC5K	/	/
		5.0SMDJ12A	5.0SMDJ12A	SMC5K12A	/	/
		5.0SMDJ-AT	/	/	/	/
		5.0SMDJ15A-AT	/	/	/	/

TVS Competitive Cross Reference – 2

Package	P _{PPM}	Pulse/BrightKing	Littelfuse	Vishay	ST	DIODES
DO-218	8000W	SMEJ	/	SM8S	/	/
		SMEJ20A	/	SM8S20A	/	/
	6600W	SMEJXXAG	/	SM6S	/	/
		SMEJ20AG	/	SM6S20A	/	/
DO-41	400W	P4KE	P4KE	P4KE	/	/
		P4KE6.8A	P4KE6.8A	P4KE6.8A	/	/
DO-15	500W	SA	SA	SA	/	/
		SA10A	SA10A	SA10A	/	/
	500W	SAC	SAC	SAC	/	/
		SAC10	SAC10	SAC10	/	/
600W	P6KE	P6KE	P6KE	/	P6KE	
	P6KE6.8A	P6KE6.8A	P6KE6.8A	/	P6KE6V8A	
DO-201	1500W	1.5KE	1.5KE	1.5KE	/	1.5KE
		1.5KE10A	1.5KE10A	1.5KE10A	/	1.5KE10A
		LCE	LCE	/	/	/
		LCE10A	LCE10A	/	/	/
P600	3000W	3KP	3KP	/	/	/
		3KP5.0A	3KP5.0A	/	/	/
	5000W	5KP	5KP	5KP	/	/
		5KP12A	5KP12A	5KP12A	/	/
	15000W	15KPA	15KPA	/	/	/
		15KPA20CA	15KPA20CA	/	/	/
	20000W	20KPA	20KPA	/	/	/
20KPA20A		20KPA20A	/	/	/	
30000W	30KPA	30KPA	/	/	/	
	30KPA30A	30KPA30A	/	/	/	
Hyperfix	/	HF-L	AK	/	/	/
		HFA-015L	AK3-015C	/	/	/
		HF-C	/	/	/	/
		HFA-058C	/	/	/	/
		HF-S	/	/	/	/
		HFA-058S	/	/	/	
Radial Lead	/	ATN	/	/	/	/
		ATN36C	/	/	/	/

ESD Competitive Cross Reference – 1

Package	Pulse/BrightKing	NXP	SEMTECH	AMAZING
DFN0603	LAQ02A05L01	PESD5V0S1USF	/	/
	LAQ02A12L01	/	/	/
	LAQ02C03L01	PESD3V3U1BCSF	uClamp3311Z	AZ5A23-01F
	LAQ02C05L01	PESD5V0L1BSF	uClamp0541Z	AZ5A15-01F
	LBQ02C05L01	/	uClamp0511Z	/
	UAQ02C05L01	PESD5V0R1BSF	/	AZ5A45-01F
	UAQ02C05L01-R0.5	PESD5V0C1USF	/	AZ5B25-01F
DFN1006-3L	UAD8A05L02	PESD5V0X2UAMB	uClamp0502P	AZ5315-02F
DFN1608	SBD03C05L01	/	/	/
	LBD03C15L01	/	/	/
DFN1610	UAD03C05L01	/	/	AZ3105-01F
	SJD16A07L01	/	/	AZ45017-01F
DFN2010	UAD20C03L02	/	uClamp3312T	/
	UAD20C05L04-R0.4	/	/	/
	UAD20A05L04	/	/	/
DFN2018	UTDF28A125L04	/	/	/
DFN2020	STD22A07L01	PTVS7V5U1UPA	/	AZ4307-01F
	STD22A12L01	PTVS12VU1UPA	/	/
	STD22A05L01	/	/	AZ3705-01F
	STD22A10L01	PTVS10VU1UPA	/	/
	STD22A15L01	PTVS15VU1UPA	/	/
	STD22A18L01	PTVS18VU1UPA	/	/
	STD22A24L01	PTVS24VU1UPA	/	/
	STD22A36L01	/	/	/
DFN2510	UBQ10A03L04	/	RCLAMP3324P	AZ1043-04F
	UBQ10A05L04	PESD1LVDS	/	/
	UBQ10A05L04HI	/	uClamp0544P RClamp0524P RClamp0524PA	AZ1045-04F
	UBQ10A05L04-LV	/	/	/
	UBQ10A05L04-R0.4	/	/	/

ESD Competitive Cross Reference – 2

Package	Pulse/BrightKing	NXP	SEMTECH	AMAZING
DFN3020	UEDF3A3.3L04	/	RClamp3374N	AZ3133-08F
	UEDF3A2.8L04	/	/	AZ3125-08F
DFN3310	UAD33A05L06	/	/	AZ108S-06F
DFN3810	UAD38A05L08	/	/	AZ1785-08F
SOD-123	SJD12A15L01-R85	/	/	/
SOD-123S	SJD12AXXXL01	PTVSxS1UR	/	AZ40xx-01G
	SJD12A08L01	PTVS8V0S1UR	/	AZ4008-01G
	SJD12CXXXL01	/	/	/
	SJD12C05L01	/	/	/
SOD-323	SDD32A05L01	PESD5V0S1UJ PESD5V0S1UA	SD05	AZ2215-01L
	SDD32A12L01	PESD12VS1UJ PESD12VS1UA	SD12	AZ4012-01L
	SDD32C05L01	/	SD05C	/
	SDD32C18L01	/	/	/
	SDD32C24L01	/	SD24C	/
	SDD32A36L01	/	/	/
	SDD32C36L01	/	/	/
	SDD32C30L01	/	/	/
	LBD32C1524L01	/	/	/
	UCD32C03L01	/	uClamp3301D	/
	UCD32C08L01	/	/	/
	UCD32C12L01	/	/	/
	UCD32C15L01	/	/	/
	UCD32C24L01	/	/	/
	UDD32C03L01	PESD3V3L1BA	/	AZ1603-01L
	UDD32C05L01	PESD5V0L1BA	/	AZ1605-01L
	UDD32C12L01	PESD12VL1BA	/	/
	UDD32C15L01	PESD15VL1BA	/	/
	UDD32C24L01	PESD24VL1BA	/	/
	UDD32C08L01	/	/	/
	UBD32C05L01	/	/	/
	UCD32C05L01	/	/	/

ESD Competitive Cross Reference – 3

Package	Pulse/BrightKing	NXP	SEMTECH	AMAZING	
SOD-523	SFD52A05L01	/	uClamp0501H	/	
	SFD52A07L01	/	/	AZ4007-01H	
	SBD52C05L01	PESD5V0S1BB	uClamp3301H	AZ5015-01H	
	SED52C05L01	/	/	/	
	SDD52A12L01	PESD12VS1UB	uClamp1201H	AZ5012-01H	
	SDD52C05L01	/	/	/	
	LAD52C03L01	PESD3V3L1UB	/	AZ5123-01H	
	LAD52C05L01	PESD5V0V1BB	/	AZ2025-01H	
	LBD52A24L01	PESD24VS1UB	/	AZ4024-01H	
	LBD52A36L01	/	/	/	
	UAD52A05L01	PESD5V0U1UB	/	/	
	SOD-882	SBD8C05L01	PESD5V0S1BLD PESD5V0S1BL	uClamp3311P	AZ5015-01F
SED8C05L01		PESD5V0S1UL PESD5V0S1ULD	uClamp0511P	/	
SFD8C4.5L01		/	/	/	
SHD8C4.5L01		PTVS4V5D1BL	/	/	
SDD8A12L01		PESD12VS1ULD	uClamp1201P	AZ4012-01F	
LAD8C05L01		/	/	AZ5725-01F	
LBD8A24L01		PESD24VS1ULD	uClamp2401T	AZ4024-01F	
LBD8C05L01		PESD5V0V1BL PESD5V0V1BLD PESD5V0G1BL	/	AZ5525-01F	
UAD8C03L01		PESD3V3X1BL	RClamp3321P	/	
UAD8C05L01		PESD5V0X1BCL	uClamp0511T	AZ5365-01F	
UAD8C05L01-TIP		PESD5V0X1BCL	RClamp0521P	/	
UAD8C05L01-R0.4		PESD5V0X1BCL	RClamp0531T	/	
UAD8C05L01-LV		PESD5V0X1BCL	RClamp0521P	/	
UAD8C18L01		PESD18VF1BL	/	/	
UAD8A05L01		PESD5V0X1UALD PESD5V0U1UL	uClamp0501T	/	
UBD8C05L01		PESD5V0X1BCL	/	/	
UBD8C18L01		/	RClamp1851ZA	/	
SOD-882		LAD8C05L01	/	/	/

ESD Competitive Cross Reference – 4

Package	Pulse/BrightKing	NXP	SEMTECH	AMAZING
SOIC-08	SES08C15L04	/	SMDA15C	/
	SCS08C05L07	/	SMDA05C-7	/
	SCS08C12L07	/	SMDA12C-7	/
	SCS08C15L07	/	SMDA15C-7	/
	SCS08C24L07	/	SMDA24C-7	/
	SWS08C06L03	/	/	/
	LES08A3.3L05	/	SRDA3.3-4	/
	LES08A05L05	/	SRDA05-4	/
	LHS08A12L04	/	LCDA12	/
	LTS08A3.3L02	/	LC03-3.3	/
	LTS08A06L02	/	LC03-6	/
	LES08C05L04	/	SMDA05C	/
	LES08C12L04	/	SMDA12C	/
	LES08C15L04	/	/	/
	LES08C24L04	/	SMDA24C	/
	UCS08C05L02	/	/	/
	UCS08C03L02	/	/	/
	UES08A05L04	/	/	/
	UFS08A2.8L04	/	SLVU2.8-4 uClamp2804L	AZ3028-04P
	UES08A03L05	/	SRDA3.3-4	/
UDS08A(C)24L04	/	/	/	
UDS08A03L04	/	/	/	
SOIC-16	LES16C05L08	/	/	/
	LES16C12L08	/	LCDA12C-8	/
	LES16C15L08	/	LCDA15C-8	/
	LES16C24L08	/	/	/
SOT-143	UDT14A05L03	PRTR5V0U2X PESD2ETH-X	SR05	/
	UET14A05L03-BK	PRTR5V0U2X PESD2ETH-X	/	AZC002-02N
	UAT14A07L03	/	/	/
	UAT14A15L03	/	/	/

ESD Competitive Cross Reference – 5

Package	Pulse/BrightKing	NXP	SEMTECH	AMAZING
SOT-23	SDT23C712L02	PESD1CAN	SM712	/
	SDT23C05L02	PESD5V0L2BT	/	/
	SDT23C12L02	PESD12VL2BT	/	/
	SDT23C15L02	PESD15VL2BT	/	/
	SDT23C24L02	PESD24VL2BT	/	AZ9824-02S
	SET23A03L02	PESD3V3S2UT	/	/
	SET23A05L02	PESD5V2S2UT	SM05	AZ2015-02S
	SET23A12L02	PESD12VS2UT	SM12	AZ4012-02S
	SET23A15L02	PESD15VS2UT	SM15	/
	SET23A24L02	PESD24VS2UT	SM24	AZ4024-02S
	SET23A36L02	PESD36VS2UT	SM36	/
	SBT23C12L02	PESD12VL2BT	/	/
	SET23C05L02	PESD5V0L2BT	/	/
	LBT23C24L02	PESD1CAN	/	/
	LBT23C12L02	PESD12VL2BT	/	/
	UCT23C03L02	/	/	AZ5123-02S
	UAT23A05L02	NUP1301	/	/
	UBT23A05L02	PESD5V0U1UT	/	AZC199-02S
	UDT23A2.8L01	/	SLVU2.8	AZ3028-01S
	UDT23A03L01	/	/	/
	UDT23A05L01	/	SL05	/
	UDT23A12L01	/	SL12	/
	UDT23A15L01	/	SL15	/
	UDT23A24L01	/	SL24	/
	UDT23A03L02	PESD3V3U1UT	/	/
	UDT23A05L02	PESD5V0X1BT	/	/
		PESD5V0U1UT	/	/
	UDT23A12L02	PESD12VU1UT	/	/
	UDT23A15L02	PESD15VU1UT	/	/
	UDT23A24L02	PESD24VU1UT	/	/
	UDT23C08L01	/	/	/
	UCT23C05L02	PESD5V0U2BT	/	AZ5125-02S

ESD Competitive Cross Reference – 6

Package	Pulse/BrightKing	NXP	SEMTECH	AMAZING
SOT23-6L	SDT26A05L05	PESD5V0S5UD	SMS05C	AZ2115-05S
	SDT26A15L05	PESD15VS5UD	SMS15C	/
	SDT26A24L05	PESD24VS5UD	SMS24C	/
	UCT26A05L05-HP1	/	SRV05-4 SRV05-4A	AZC399-04S
	UBT26A05L03	/	/	AZC299-02S
	UDT26A05L05-LC1	IP4220CZ6	RClamp0504S	AZ1045-04SU
	UET26A05L05	/	RClamp0554S	AZ1215-04S
	UAT26A03L05	/	/	AZ1013-04S
SOT-323	UBT32A05L02	PESD5V0L2UU	/	/
SOT-363	SAT36A05L05	PESD5V0L5UY	/	/
	UAT36A05L05	PUSB2X4Y	RClamp0504F	AZC199-04C
	UAT36A03L05	/	/	/
SOT-523	LAT52C05L02	/	/	AZ5A25-02R
	UAT52A05L02	PESD5V0X1BQ	RClamp0502B	/
SOT-563	LAT56A05L05	PESD5V0L5UV	uClamp0505A	AZ2015-05R
	UAT56A05L05	/	/	/
	UAT56A03L05	/	/	/

MOV Competitive Cross Reference

Package	Pulse/BrightKing	Littelfuse	TDK	Thinking
Φ5	05D	V05	S05/B72205S*	TVR05
	470KD05	V05E30P	S05K30/B72205S0300K101	TVR05470
	05H	/	SNF05/B72205U*	TVR05-M
Φ7	201KH05	/	SNF05K130E2S5/B72205U2131K501	TVR05201-M
	07D	V07、LA2	S07/B72207S*	TVR07
	470KD07	V07E30P	S07K30/B72207S0300K101	TVR07470
	201KD07	V130LA2P	S07K130/B72207S0131K101	TVR07201
Φ10	07H	/	SNF07/B72207U*	TVR07-M
	201KH07	/	SNF07K130E2S5/B72207U2131K501	TVR07201-M
	10D	V10、LA5	S10/B72210S*	TVR10
	470KD10	V10E30P	S10K30/B72210S0300K101	TVR10470
	201KD10	V130LA5P	S10K130/B72210S0131K101	TVR10201
Φ14	10H	V10H	SNF10/B72210U*	TVR10-M
	201KH10	V10H130P	SNF10K130E2S5/B72210U2131K501	TVR10201-M
	14D	V14、LA10	S14/B72214S*	TVR14
	470KD14	V14E30P	S14K30/B72214S0300K101	TVR14470
	201KD14	V130LA10AP	S14K130/B72214S0131K101	TVR14201
	14H	V14H	SNF14/B72214U*	TVR14-M
Φ20	201KH14	V14H130P	SNF14K130E2S5/B72214U2131K501	TVR14201-M
	20D	V20、LA20	S20/B72220S*	TVR20
	470KD20	V20E30P	S20K30/B72220S0300K101	TVR20470
	201KD20	V130LA20AP	S20K130/B72220S0131K101	TVR20201
	20H	V20H	SNF20/B72220U*	TVR20-M
Φ25	201KH20	V20H130P	SNF20K130E2S5/B72220U2131K501	TVR20201-M
	25D	V25S	S25/B72225S*	/
Φ32	201KD25	V25S130P	S25K130E4R12/B72225S4131K101	/
	32D	HA32	/	/
Φ34	201KD32	V131HA32	/	/
	34S	DHB34	/	/
Φ40	201KS34	V131DHB34	/	/
	40D	HA40	/	/
Φ53	201KD40	V131HA40	/	/
	53D	/	/	/
TMOV	201KD53	/	/	/
	14(M/N/E)	TMOV14R	T14/B72214T*	TVT14
	201KN14	TMOV14RP130E	T14K130E2/B72214T2131K105	TVT14201
	20(M/N/E)	TMOV20R	T20/B72220T*	TVT20
	201KN20	TMOV20RP130E	T20K130E2/B72220T2131K105	TVT20201
	25(M/N/E)	TMOV25S	/	/
	201KN25	TMOV25SP130E	/	/

GDT Competitive Cross Reference

Package	Pulse/BrightKing	Littelfuse	TDK	Bourns
2R	B32	SE	S20	/
	B32-230-LF	SE230	S20-A200X/B88069X9731T303	/
	4532	SG	S30	2051
	4532-151-LF	SG150	S30-A150X/B88069X6071T203	2051-15
	2R-4	/	ES	2053
	2RK090M-4	/	ES90XN/B88069X4421T103	2053-09
	2R-5	CG5	EM	2057
	2RL090L-5	CG590LTR	EM90X/B88069X0190****	2057-09
	2R-6	GTCA26	EN	2055
	2RL230M-6	GTCA26-200M-R05	EN230XSMD/B88069X9851T702	2055-23
	2R-8*6	CG/CG2	EC	2049
	2RP230L-8	CG2230L	EC230X/B88069X0660S102	2049-23
	2R-8*8	CG3	A71	2095
2RL2500L-8	CG32.5L	A71-H25X/B88069X 2190****	2095-250	
3R	3R-5S	GTCX35	T90	2052
	3RL230M-5-S	/	T90-A230XSMD/B88069X6680T902	2052-23-SM
	3R-5SS	GTCX35	/	2036
	3RL090M-5-SS	GTCS35-091M-R05	/	/
	3R-6	GTCX36	T30	/
	3RM230M-6	GTCS36-231M-R10	T30-A230XSMD/B88069X6731T702	/
	3R-8	GTCX38	T80	/
3RM600M-8	GTCS38-600M-R10	T80-A600X/B88069X2721C203	/	

SPG Competitive Cross Reference

Package	Pulse/BrightKing	Okaya	SMART	Mitsubishi
BK1	BK1-M	/	/	/
	BK13000702-M	/	/	/
	BK1-M(S)	/	/	/
	BK12001002-M(S)	/	/	/
	BK1	RA-	TSA	DE37/DSA
	BK12002502	RA-501P/M-C6 &RA-501M/MS-V7	TSA501M	DSA-501MA&DE37-501M
	BK1-H	RA	/	DSS
	BK12013502-H	RA-272M-C6&RA-272MS-C6	/	DSS-272M&DSP-272M&DE37-272M
	BK1-HG	/	/	/
	BK1205002-HG			
BK2	BK2-M	/	/	/
	BK22001502-HG			
	BK2	/	TSA	DSS
	BK22001002	/	TSA201M	DSS-201M
BK3	BK3-M	/	/	/
	BK32002502-M			
	BK3-M(H)	/	/	/
	BK32001002-MH			
	BK3	/	SSA	DSP
BK32001502	/	SSA301M	DSP-301N	

TSS Competitive Cross Reference

Package	Pulse/BrightKing	Bourns	Littelfuse	ST	DIODES
SMA	PXXXXTA	TISP4xxxM3AJ	PxxxxS1ALRP	SMP50	/
	P2600TA	TISP4290M3AJ	P2600S1ALRP	SMP50-240	/
	PXXXXAA	TISP4xxxL3AJ	PxxxxS1ALRP	SMP30	/
	P2300AA	TISP4260L3AJ	P2300S1ALRP	SMP30-200	/
SMB	PXXXXSA	TISP4xxxM3BJ	PXXXXSALRP	SMTPA	TBxxxM
	P0640SA	TISP4070M3BJ	P0640SALRP	SMTPA30-62	TB0640M
	PXXXXSB	TISP4xxxT3BJ	PXXXXSBLRP	SMP80MC	/
	P3500SB	TISP4400T3BJ	P3500SBLRP	SMP80MC-320	/
	PXXXXSC	TISP4xxxH3BJ	PXXXXSCLRP	SMP100LC	TBxxxxH
	P0640SC	TISP4070H3BJ	P0640SCLRP	SMP100LC-65	TB0640H
	PXXXXSD	TISP4xxxJ3BJ	PXXXXSDLRP	/	/
	P3500SD	TISP4395J3BJ	P3500SDLRP	/	/
DO-15	PXXXXLA	/	PXXXXGALRP	TPA	/
	P1800LA	/	P1800GALRP	TPA30-180	/
	PXXXXLB	/	PXXXXGBLRP	/	/
	P1100LB	/	P1100GBLRP	/	/
DO-201	PXXXXLC	/	/	/	/
	P1100LC	/	/	/	/
SOP-8	P61089B	TISP61089B	B61089QDR	LCP1521S	/
	G170B	/	/	/	/

PPTC Competitive Cross Reference

Package	Pulse/BrightKing	Littelfuse	Wayon	聚鼎	Bourns
DIP	BK16	16R	LP16	RLD 16V GF	MF-RG
	BK16-500	16R500G	LP16-500F	RLD16P500GF	MF-RG400
	BK30	30R	LP30	RLD 30V UF	/
	BK30-250	30R250U	LP30-250F	RLD30P250UF	/
	BK60	60R	LP60	RLD 60V XF	MF-R
	BK60-040	60R040X	LP60-040F	RLD60P040XF	MF-R040
	BK130	/	LBN	/	/
	BK130-250	/	LBN250F	/	/
	BK250	250R	LBLV	HVR 250P	MF-RX/250
	BK250-080	250R080	LB080LVF	HVR250P080CF	MF-RX012/250-F
	BK600	600R	LBV	HVR 600P	MF-R/600
BK600-150	600R150	LBV150F	HVR600P150CF	MF-R015/600	
SMD	SMD0603	0603L	LP-TSM(L)	SMD0603	MF-FSMF
	SMD0603B010TF	0603L010	LP-TSM010	SMD0603P010TF	MF-FSMF010X
	SMD0805	0805L	LP-ISM(L)	SMD0805	MF-PSMF
	SMD0805B010TF	0805L010	LP-ISML110	SMD0805P010TF	MF-PSMF010X
	SMD1206	1206L	LP-NSM(L)	SMD1206	MF-NSMF
	SMD1206B035TF/16	1206L035/16	LP-NSM035/16	SMD1206P035TF/16	MF-NSMF035X
	SMD1210	1210L	LP-USM(L)	SMD1210	MF-USMF
	SMD1210B050TF	1210L050	LP-USM050	SMD1210P050TF	MF-USMF050
	SMD1812	1812L	LP-MSML	SMD1812	MF-MSMF
	SMD1812B075TF/33	1812L075/33	LP-MSM075	SMD1812P075TF/33	MF-MSMF075/24
	SMD2016	2016L	/	SMD2016	MF-SMDF
	SMD2016B100TF/33	2016L100/33	/	SMD2016P100TF/33	MF-SMDF100/33X
	SMD2920	2920L	LP-SM	SMD2920	MF-LSMF
	SMD2920B200TF/24	2920L200/24	LP-SM200C/24	SMD2920P200TF/24	/

NTC Competitive Cross Reference

Series	Size	Pulse/BrightKing	JOYIN	Thinking	TDK/EPCOS
SP	Φ8	N08SP005□	JNR8S050M	SCK08053□	B57235S0509M0
		N08SP010□	JNR8S100L	SCK08102□	B57235S0100M0
	Φ10	N10SP005□	JNR10S050M	SCK10054□	B57236S0509M0
		N10SP010□	JNR10S100L	SCK10103□	B57236S0100M0
	Φ13	N13SP005□	JNR13S050M	SCK13055□	B57237S0509M0
		N13SP010□	JNR13S100L	SCK13104□	B57237S0100M0
	Φ15	N15SP005□	JNR15S050M	SCK15056□	B57238S0509M0
		N15SP010□	JNR15S100L	SCK15105□	B57238S0100M0
	Φ20	N20SP005□	JNR20S050M	SCK205R0□	B57364S0509M0
		N20SP010□	JNR20S100L	SCK20100□	B57364S0100M0
	Φ25	N25SP005□	JNR25S050M	SCK255R0□	B57464S0509M000
		N25SP010□	JNR25S100L	SCK25100□	B57464S0100M000

NTC Competitive Cross Reference

Series	Size	Pulse/BrightKing	JOYIN	Thinking	TDK/EPCOS
NT	Φ5(B)	NTB02-005□	JNR5S050M	SCK05052□	/
		NTB01-010□	JNR5S100L	SCK05101□	/
	Φ8(D)	NTD04-005□	JNR8S050M	SCK08053□	B57235S0509M0
		NTD03-010□	JNR8S100L	SCK08102□	B57235S0100M0
	Φ10(E)	NTE04-005□	JNR10S050M	SCK10054□	B57236S0509M0
		NTE04-010□	JNR10S100L	SCK10103□	B57236S0100M0
	Φ13(G)	NTG06-005□	JNR13S050M	SCK13055□	B57237S0509M0
		NTG05-010□	JNR13S100L	SCK13104□	B57237S0100M0
	Φ15(J)	NTJ08-005□	JNR15S050M	SCK15056□"	B57238S0509M0
		NTJ06-010□	JNR15S100L	SCK15105□"	B57238S0100M0
	Φ20(L)	NTL12-001□	JNR20S1R0M	SCK201R0□	B57364S0109M0
		NTL10-006□	JNR20S060L	SCK206R0□	/

“□” represents the tolerance of resistance, usually are M or L