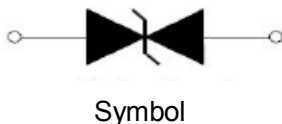



SMA

Features

Low capacitance
 Cannot be damaged by voltage
 Will not fatigue
 Eliminate voltage overshoot
 Glass passivated junction
 Halogen free and RoHS compliant

Mechanical Data

CASE: SMAJ(DO-214AC) Molded Plastic
 UL Flammability Classification Rating 94V0
 Mounting Position:Any

Making Code & information

PxxxxAL PxxxxA = Type Code	Package	Packing Description	Packing Quantity
	SMA	Tape/Reel,11" reel	5000

Maximum Ratings & Thermal Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Units	Remarks
Peak Pulse Voltage	V_{PP}	2000	V	10/700us
Peak Pulse Current	I_{PP}	45	A	10/1000us
Peak Pulse Current	I_{PK}	150	A	8/20us
Peak One-cycle Surge Current	I_{TSM}	20	A	60Hz
Rate of Rise of Current	di/dt	500	A/us	
Typical Thermal Resistance Junction to Lead	$R_{\theta JL}$	30	°C/W	
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	120	°C/W	
Operating Temperature Range	T_J	-40 to 150	°C	
Storage Temperature Range	T_{STG}	-55 to 150	°C	

Electrical Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified.)

Part Number	Marking	$V_S@100KV/S$ V MAX	I_{S_LMT} mA	$V_T @ I_T$ V MAX	I_T A	$I_D @ V_D$ uA MAX	V_D V	$C_O@1MHz,2V_{DC}$ pF TYP	I_H mA MIN
P0080TA-MC	P008A	25	500	4	2.2	5	6	10	30



Ratings and Characteristic Curves

(Ratings at 25°C ambient temperature unless otherwise specified).

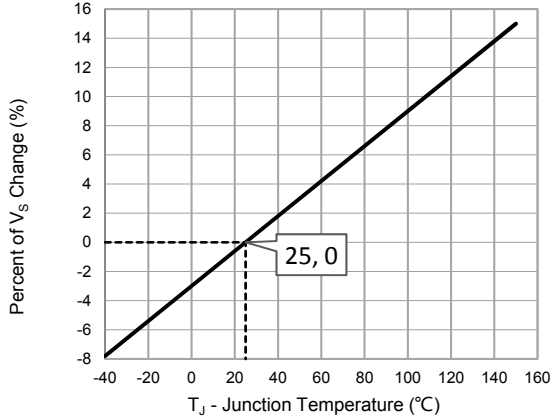


Fig.1 - Peak Pulse Current Rating

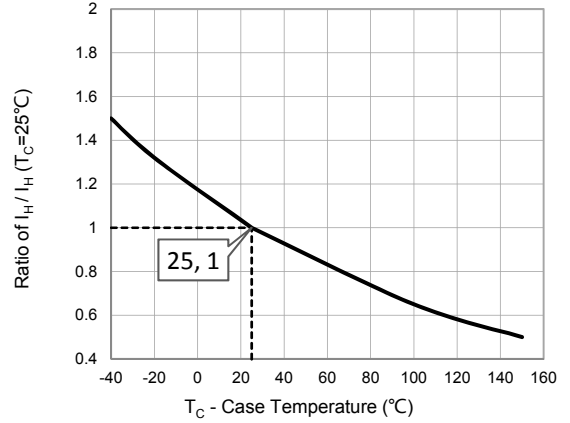


Fig.2 - Normalized DC Holding Current vs. Case Temperature

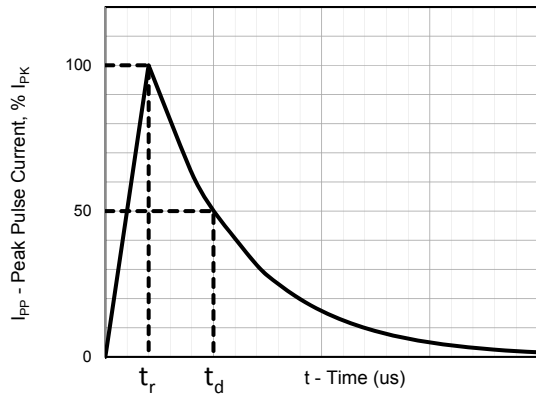


Fig.3 - t_r/t_d us Pulse Waveform

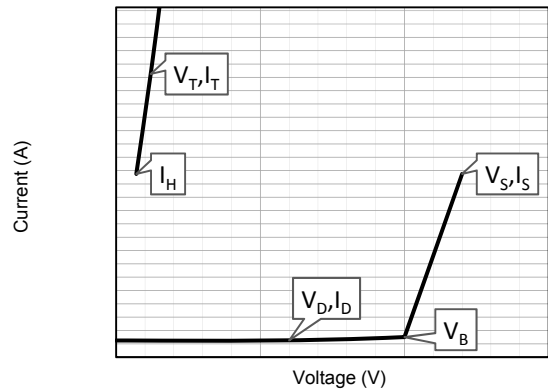


Fig.4 - VI Curve

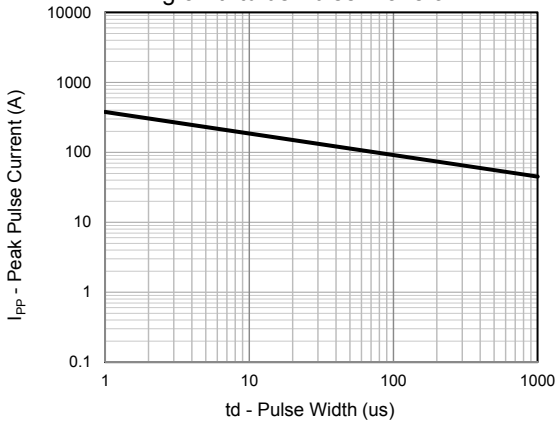


Fig.5 - Peak Pulse Current Rating

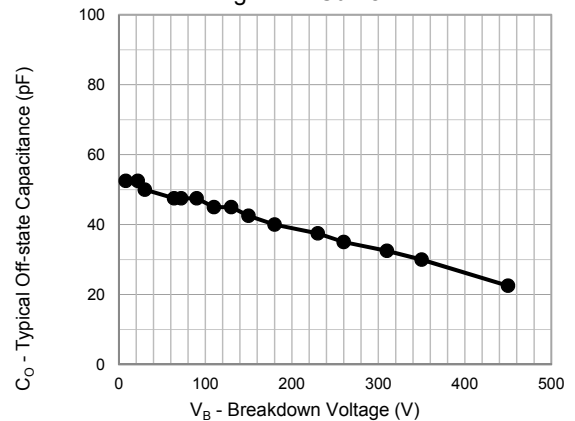


Fig.6 - Typical Off-state Capacitance

Package Outline Dimensions: SMA(DO-214AC)

Dim	Millimeters		Inches	
	Min	Max	Min	Max
L	4.1	4.3	0.161	0.169
D	2.5	2.7	0.098	0.106
D1	1.3	1.5	0.051	0.059
T	4.8	5.2	0.189	0.205
T1	0.9	1.5	0.035	0.060
d	-	0.2	-	0.008
H	2.05	2.35	0.081	0.093
H1	2.0	2.2	0.079	0.087

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Thyristor Surge Protection Devices - TSPD category:](#)

Click to view products by [PAKER Microelectronics manufacturer:](#)

Other Similar products are found below :

[TT700N22KOFTIMHPSA1](#) [TT820N16KOFTIMHPSA1](#) [P0080SB](#) [P0080TA](#) [BEP4200SC](#) [P0080SB](#) [P0080TA](#) [BS8000-N-C-F](#) [P0080TB](#)
[KP3100SC](#) [SPD9231A-2/TR](#) [P0080TA-MC](#) [P3500SC-R35](#) [BEP1800SB](#) [P0080SB](#) [BEP2300SC](#) [SKKH 72/08E](#) [NP3100SBT3G](#)
[SK20NHMH10](#) [P3800FNLTP](#) [TB2300L-13-F](#) [TB1500M-13-F](#) [P2300MEL](#) [TISP4030L1BJR-S](#) [P1301DF-1E](#) [B61089QDR](#) [P4800MEL](#)
[TISP4P035L1NR-S](#) [TISP4011H1BJR-S](#) [P6002AAL](#) [P2600SDLRP](#) [SKKH 72/16E](#) [SKKH 72/20E H4](#) [SKKH92/16E](#) [SKKH 106/16E](#)
[BEP3100TA](#) [TISP4015H1BJR-S](#) [TISP4015L1AJR-S](#) [TISP4015L1BJR-S](#) [TISP4025H1BJR-S](#) [TISP4030H1BJR-S](#) [TISP4030L1AJR-S](#)
[TISP4040H1BJR-S](#) [TISP4040L1AJR-S](#) [TISP4040L1BJR-S](#) [TISP4070H3BJR-S](#) [TISP4070J3BJR-S](#) [TISP4070M3BJR-S](#) [TISP4080M3BJR-S](#)
[TISP4125H3BJR-S](#)