

Features

- AEC-Q101 Qualified
- Meet ISO7637-2 5a Surge Specification
- · Low Leakage
- · Glass Passivated Junction
- Excellent Clamping Capability
- · Bi-directional Polarity
- · Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant (Note1) ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +175°C
- Storage Temperature Range: -55°C to +175°C

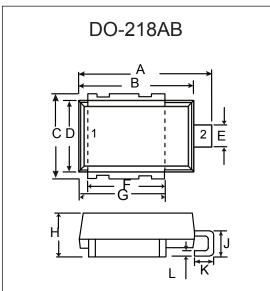
Peak Pulse Power Surge Current with a 10/1000µs Waveform	I _{PPM}	See the Table	Note 2
Peak Pulse Power Dissipation with a 10/1000µs Waveform	P _{PPM}	6600W	Note 2
Peak Pulse Power Dissipation with a 10/10000µs Waveform	P _{PPM}	3650W	Note 2
Power Dissipation On Infinite Heatsink	P_D	8.0W	T _L =25°C

Note: 1. High Temperature Solder Exemptions Applied, see EU Directive Annex 7a. 2. Non-repetitive current pulse, per Fig.3 and derated above T_A =25°C per Fig.4

Pin Configuration:

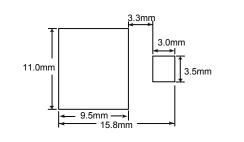


6600 Watt TVS 14 to 43 Volts



	DIMENSIONS					
DIM	INCHES		MM		NOTE	
	MIN	MAX	MIN	MAX	NOIL	
Α	0.590	0.630	15.00	16.00		
В	0.524	0.539	13.30	13.70		
С	0.374	0.413	9.50	10.50		
D	0.323	0.339	8.20	8.60		
Е	0.091	0.114	2.30	2.90		
F	0.343	0.366	8.70	9.30		
G	0.382	0.406	9.70	10.30		
Н	0.189	0.205	4.80	5.20		
J	0.098	0.138	2.50	3.50		
K	0.067	0.106	1.70	2.70		
L	0.020	0.028	0.50	0.70		

SUGGESTED SOLDER PAD LAYOUT





Electrical Characteristics @ 25°C Unless Otherwise Specified

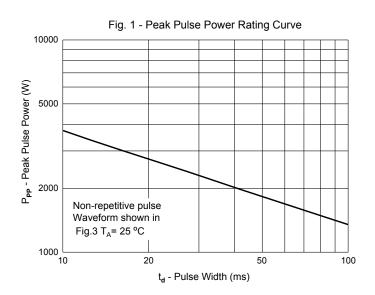
MCC Part Number	Breakdo	own Voltage	V _{BR} @I _T	Maximum Reverse Leakage I _R	Maximum IR@VRWM T _J =150	Working Peak Reverse Voltage V _{RWM}	Maximum Reverse Surge Current IPP	Maximum Clamping Voltage
Bi-directional	Min (V)	Max (V)	I_T (mA)	@V _{RWM} (μA)	(µA)	(V)	(A) ⁽¹⁾	$V_{C}@I_{PP}(V)$
SM8S14CA	15.60	17.20	5	10	150	14	284.0	23.2
SM8S15CA	16.70	18.50	5	10	150	15	270.0	24.4
SM8S16CA	17.80	19.70	5	10	150	16	254.0	26.0
SM8S17CA	18.90	20.90	5	10	150	17	239.0	27.6
SM8S18CA	20.00	22.10	5	10	150	18	226.0	29.2
SM8S20CA	22.20	24.50	5	10	150	20	204.0	32.4
SM8S22CA	24.40	26.90	5	10	150	22	186.0	35.5
SM8S24CA	26.70	29.50	5	10	150	24	170.0	38.9
SM8S26CA	28.90	31.90	5	10	150	26	157.0	42.1
SM8S28CA	31.10	34.40	5	10	150	28	145.0	45.4
SM8S30CA	33.30	36.80	5	10	150	30	136.0	48.4
SM8S33CA	36.70	40.60	5	10	150	33	124.0	53.3
SM8S36CA	40.00	44.20	5	10	150	36	114.0	58.1
SM8S40CA	44.40	49.10	5	10	150	40	102.0	64.5
SM8S43CA	47.80	52.80	5	10	150	43	95.1	69.4

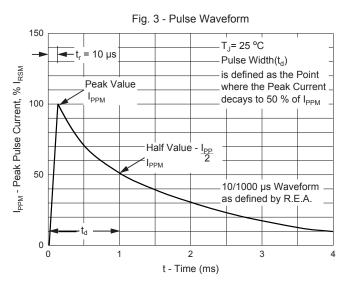
Note: 1.Surge current waveform is defined at 10/1000us waveform

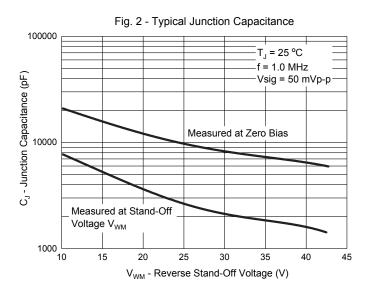
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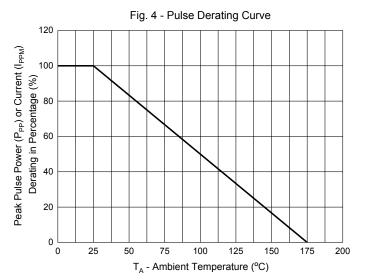


Curve Characteristics











Ordering Information

Device	Packing
Part Number-TP	Tape&Reel:750pcs/Reel

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