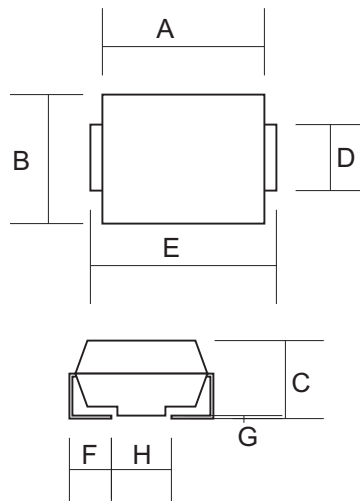


FEATURES

- For surface mount applications
- Epoxy: UL 94V-0 rated flame retardant
- Excellent clamping capability
- Low zener impedance
- Fast response time, typically less than 1ps from 0 volts to BV min
- Typical IR less than 1 uA above 10V
- High temperature soldering guaranteed: 250°C/10 sec. at terminals. length/5lbs., (2.3kg) tension

DIAGRAM



MECHANICAL DATA

- Case: Molded plastic
- Polarity: color band denotes cathode except bipolar

DIMENSIONS

Series	A		B		C		D		E		F		G		H	
	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	
SMAJ	in	1.599	1.800	0.092	0.115	0.078	0.102	0.050	0.064	0.194	0.208	0.030	0.050	0.004	0.008	0.095
	mm	4.060	4.570	2.290	2.920	1.980	2.610	1.270	1.640	4.930	5.280	0.780	1.270	0.102	0.203	2.380
SMBJ	in	1.599	1.800	0.130	0.154	0.075	0.094	0.076	0.087	0.211	0.215	0.035	0.044	0.000	0.008	0.090
	mm	4.060	4.570	3.300	3.930	1.910	2.410	1.950	2.210	5.350	5.450	0.088	1.120	0.000	0.200	2.280
SMCJ	in	0.260	0.280	0.220	0.245	0.075	0.094	0.115	0.124	0.305	0.320	0.030	0.060	0.004	0.008	0.190
	mm	6.600	7.110	5.590	6.220	1.910	2.410	2.920	3.170	7.750	8.130	0.760	1.520	0.102	0.203	4.830

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified. Single Phase, Half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Specification	Symbol	Value			Units
		SMAJ	SMBJ	SMCJ	
Peak Power Dissipation at T _A =25°C, T _P =1ms *	P _{PK}	300 min	600 min	1500 min	Watts
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC method)***	I _{FSM}	40	100	100	Amps
Operating and Storage Temperature Range	T _j , T _{STG}	-55 to +150	-55 to +150	-55 to +150	°C

* Non-repetitive current pulse per fig. 3 and derated above T_A=25°C per fig 2.

** Mounted on Copper Leaf area of 1.57 in², (40mm²)

*** 8.3ms single half sine-wave, duty cycle=4 pulses per minute max.

****Add "C" suffix for bipolar type.