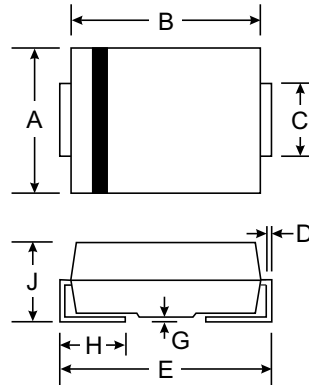


### Features

- 400W Peak Pulse Power Dissipation
- 5.0V - 50V Standoff Voltages
- Glass Passivated Die Construction
- Uni- and Bi-Directional Versions Available
- Excellent Clamping Capability
- Fast Response Time
- Plastic Material: UL Flammability
- Classification Rating 94V-0

### Mechanical Data

- Case: SMA, Transfer Molded Epoxy
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity Indicator: Cathode Band  
(Note: Bi-directional devices have no polarity indicator.)



SMA		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.10	0.20
H	0.76	1.52
J	2.01	2.62
All Dimensions in mm		

### Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	Value	Unit
Peak Pulse Power Dissipation (Non repetitive current pulse derated above $T_A = 25^\circ\text{C}$ ) (Note 1)	$P_{PK}$	400	W
Peak Forward Surge Current, 8.3ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method) (Notes 1, 2, & 3)	$I_{FSM}$	40	A
Instantaneous Forward Voltage @ $I_{PP} = 35\text{A}$ (Notes 1, 2, & 3)	$V_F$	3.5	V
Operating and Storage Temperature Range	$T_J, T_{STG}$	-55 to +150	$^\circ\text{C}$

- Notes:
1. Valid provided that terminals are kept at ambient temperature.
  2. Measured with 8.3ms single half sine-wave. Duty cycle = 4 pulses per minute maximum.
  3. Unidirectional units only.



TYPE	Reverse Stand-off Voltage	Maximum Reverse Leakage @ V <sub>WM</sub>	Breakdown Voltage @ I <sub>T</sub>	Test Current	Maximum Clamping Voltage @ IPPM	Maximum Peak Pulse Surge Current (See Fig. 2)	Working Inverse Blocking Voltage	Inverse Blocking Leakage V <sub>WIB</sub>
	V <sub>WM</sub> (V)	I <sub>R</sub> (μA)	V <sub>BR</sub> (V) Min.	I <sub>T</sub> (mA)	V <sub>C</sub> (V)	I <sub>PPM</sub> (A)	V <sub>WIB</sub> (V)	I <sub>B</sub> (mA)
SLCA5.0	5.0	300	7.60	1	10.0	50.0	75	1
SLCA6.0	6.0	300	7.90	1	11.2	45.0	75	1
SLCA7.0	7.0	300	8.33	1	12.6	40.0	75	1
SLCA8.0	8.0	100	8.89	1	13.4	37.0	75	1
SLCA8.5	8.5	50	9.44	1	14.0	36.0	75	1
SLCA10	10	1	11.10	1	16.3	31.0	75	1
SLCA12	12	1	13.30	1	19.0	26.0	75	1
SLCA15	15	1	16.70	1	23.6	21.0	75	1
SLCA18	18	1	20.00	1	28.8	17.0	75	1
SLCA22	22	1	24.40	1	35.4	14.0	75	1
SLCA26	26	1	28.90	1	42.3	12.0	75	1
SLCA30	30	1	33.30	1	48.6	10.0	75	1
SLCA36	36	1	40.00	1	60.0	8.0	75	1
SLCA45	45	1	50.00	1	77.0	6.0	150	1
SLCA50	50	1	55.00	1	88.0	6.0	150	1