



SMCJ12AT-01L

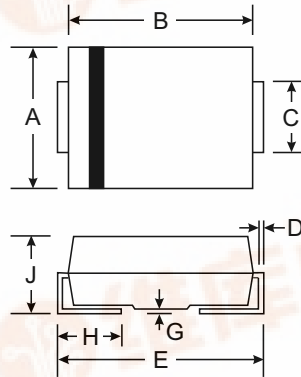
1500W SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR

Features

- 1500W Peak Pulse Power Dissipation
- 11.6V Standoff Voltage
- Glass Passivated Die Construction
- Uni-Directional Type
- Excellent Clamping Capability
- Fast Response Time
- Plastic Case Material has UL Flammability Classification Rating 94V-0

Mechanical Data

- Case: SMC, Transfer Molded Epoxy
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity Indicator: Cathode Band
- Marking: Date Code and Marking Code: BEE
- Weight: 0.21 grams (approx.)



SMC		
Dim	Min	Max
A	5.59	6.22
B	6.60	7.11
C	2.75	3.18
D	0.15	0.31
E	7.75	8.13
G	0.10	0.20
H	0.76	1.52
J	2.00	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 at $t_p = 1.0\text{ ms}$ (Non repetitive current pulse, derated above $T_A = 25^\circ\text{C}$)	P_{PK}	1500	W
Reverse Standoff Voltage	V_{RM}	11.6	V
Minimum Breakdown Voltage @ $I_R = 1\text{ mA}$ (Note 1)	V_{BR}	13.2	V
Maximum Reverse Leakage @ $V_{RM} = 11.6\text{ V}$	I_{RM}	5	μA
Maximum Clamping Voltage @ $I_{PP} = 2\text{ A}$ $500\mu\text{S}$ @ 70°C (Note 2)	V_{CL}	15.3	V
Operating and Storage Temperature Range	T_j, T_{STG}	-55 to +175	$^\circ\text{C}$

- Notes:
1. Pulse test: $t_p < 50\text{ ms}$.
 2. For design aid, not subject to production testing.