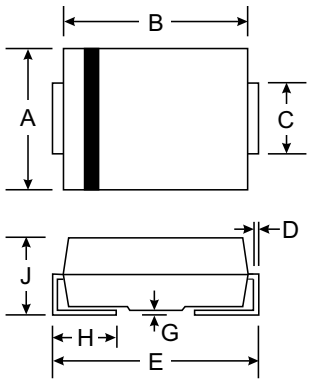
SMCJ12AT-01L

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



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		

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.)

Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Peak Pulse Power Dissipation at tp = 1.0 ms (Non repetitive current pulse, derated above T_A = 25°C)	P_{PK}	1500	W
Reverse Standoff Voltage	V_{RM}	11.6	V
Minimum Breakdown Voltage @ I_R = 1mA (Note 1)	V_{BR}	13.2	V
Maximum Reverse Leakage @ V_{RM} = 11.6V	I_{RM}	5	μA
Maximum Clamping Voltage @ I_{PP} = 2A 500μS @ 70°C (Note 2)	V_{CL}	15.3	V
Operating and Storage Temperature Range	T_j, T_{STG}	-55 to +175	°C

Notes: 1. Pulse test: tp <50 mS.
2. For design aid, not subject to production testing.