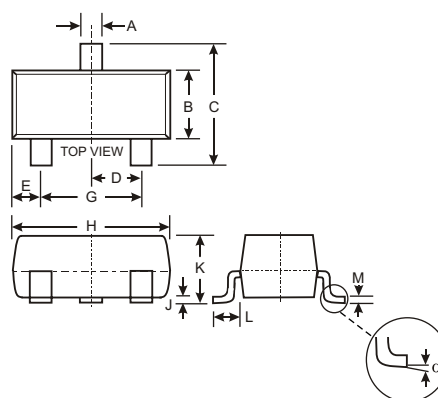


Features

- High Conductance
- Fast Switching
- Surface Mount Package Ideally Suited for Automatic Insertion
- For General Purpose and Switching
- Plastic Material – UL Recognition Flammability Classification 94V-O

Mechanical Data

- Case: SOT-23, Molded Plastic
- Terminals: Plated Leads Solderable per MIL-STD-202, Method 208
- Polarity: See Diagram
- Weight: 0.008 grams (approx.)
- Mounting Position: Any
- Marking: T2



SOT-23		
Dim	Min	Max
A	0.37	0.51
B	1.20	1.40
C	2.30	2.50
D	0.89	1.03
E	0.45	0.60
G	1.78	2.05
H	2.80	3.00
J	0.013	0.10
K	0.903	1.10
L	0.45	0.61
M	0.085	0.180
α	0°	8°
All Dimensions in mm		

Maximum Ratings @T_A=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Continuous Reverse Voltage	V _R	70	V
Average Rectified Output Current (Note 1)	I _O	200	mA
Peak Forward Surge Current (Note 1) @ t < 1.0μs	I _{FSM}	2.0	A
Power Dissipation (Note 1)	P _d	350	mW
Typical Thermal Resistance, Junction to Ambient Air (Note 1)	R _{θJA}	357	°C/W
Operating and Storage Temperature Range	T _J , T _{STG}	-65 to +150	°C

Electrical Characteristics @T_A=25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage	V _{(BR)R}	70	—	V	@ I _R = 100μA
Forward Voltage	V _F	0.55 0.85	0.7 1.1	V	@ I _F = 1.0mA @ I _F = 100mA
Reverse Leakage Current	I _R	—	0.1	μA	@ V _R = 50V
Junction Capacitance	C _j	—	2.5	pF	V _R = 0V, f = 1.0MHz
Reverse Recovery Time	t _{rr}	—	4.0	nS	I _F = I _R = 10mA, I _{RR} = 0.1 x I _R , R _L = 100Ω

Note: 1. Device mounted on fiberglass substrate 40 x 40 x 1.5mm.