

Technical Data
Data Sheet N0599, Rev. -

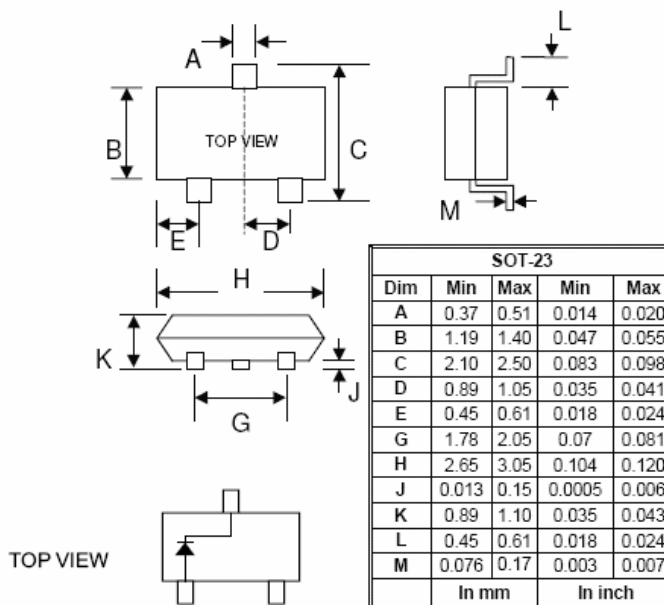
Green Products

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
- This is a Pb - Free Device
- All SMC parts are traceable to the wafer lot
- Additional testing can be offered upon request

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



Maximum Ratings @T_A=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Non-Repetitive Peak Reverse Voltage	V _{RM}	100	V
Forward Continuous Current (Note 1)	I _F	200	mA
Average Rectified Output Current (Note 1)	I _O	200	mA
Power Dissipation (Note 1)	P _d	225	mW
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
Forward Voltage	V _F	—	1.0	V	@ I _F = 10mA
Reverse Leakage Current	I _R	—	5.0	μA	@ V _R = 75V
Junction Capacitance	C _J	—	4.0	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 = 100 Ω

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