



Micro Commercial Components



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1SS400G

Features

- High speed switching diode
Small Surface Mount Type
High Reliability with High Surge Current Handing Capability
Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

90Volts High Speed Switching Diodes

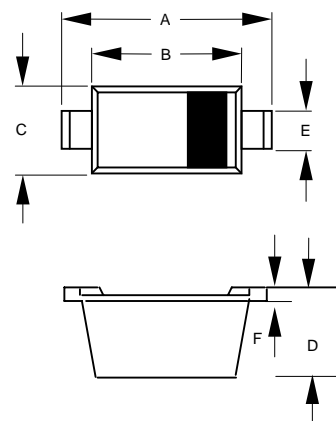
Maximum Ratings

- Case: SOD-723, Molded Plastic
Marking: 7
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

SOD-723

Maximum Ratings @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Unit. Rows include Maximum RMS Voltage, Peak Reverse Voltage, Average Forward Rectified Current, Peak Forward Current, Surge Current, Total Power Dissipation, Thermal Resistance, Storage Temperature Range, and Junction Temperature.



Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Maximum Instantaneous Forward Voltage, Maximum Average Reverse Current, Capacitance between Terminals, and Reverse Recovery Time.

Table with 6 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), NOTE. Rows A-F correspond to dimensions in the diagram.

## Typical Characteristics

● **Electrical characteristic curves** ( $T_a = 25^\circ\text{C}$ )

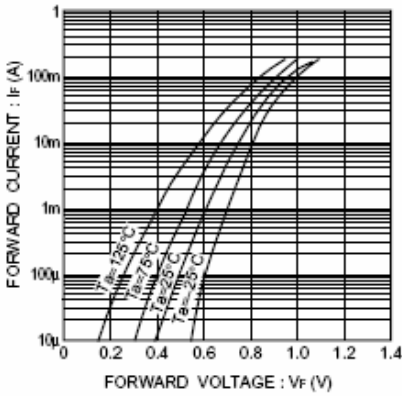


Fig.1 Forward characteristics

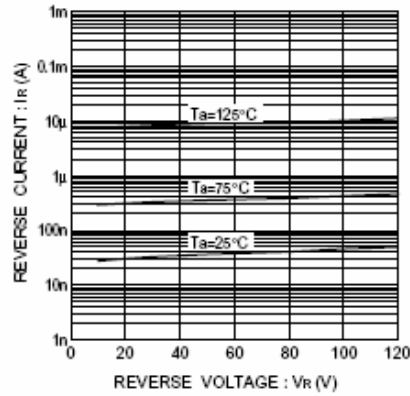


Fig.2 Reverse characteristics

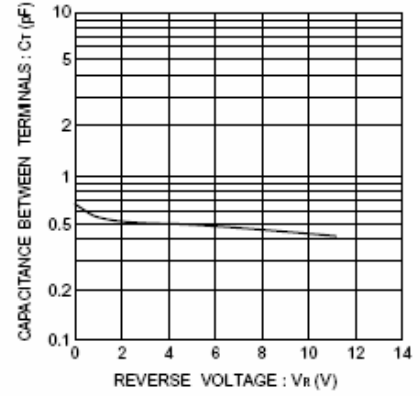


Fig.3 Capacitance between terminals

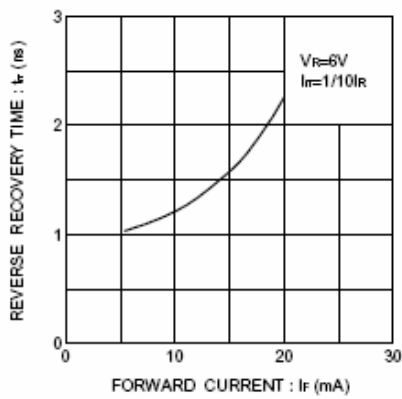


Fig.4 Reverse recovery time characteristics

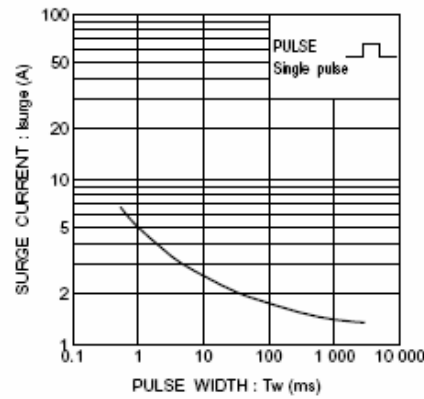


Fig.5 Surge current characteristics

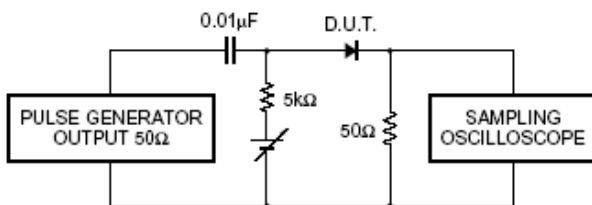


Fig.6 Reverse recovery time ( $t_r$ ) measurement circuit



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## Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;8Kpcs/Reel

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