



Micro Commercial Components



Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

1N17
THRU
1N19

Features

- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates RoHS Compliant. See ordering information)
High Efficiency and High Current Capability
Low Forward Voltage Drop and Low Power loss
Metal Silicon junction, majority carrier conduction
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1
Marking : Cathode band and type number

Maximum Ratings

- Operating Temperature: -55°C to +125°C
Storage Temperature: -55°C to +125°C
Typical Thermal Resistance: 50°C/W junction to Ambient
For capacitive load. Derate current by 20%

1.0 Amp Schottky
Barrier Rectifier
20 to 40 Volts

Table with 4 columns: MCC Part Number, Maximum Recurrent Peak Reverse Voltage, Maximum RMS Voltage, Maximum DC Blocking Voltage. Rows include 1N17, 1N18, and 1N19.

Electrical Characteristics @25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, Conditions. Rows include Average Forward Rectified Current, Peak Forward Surge Current, Maximum Instantaneous Forward Voltage, Maximum DC Reverse Current At Rated DC Blocking Voltage, and Typical Junction Capacitance.

Notes:1.High Temperature Solder Exemption Applied, see EU Directive Annex 7.

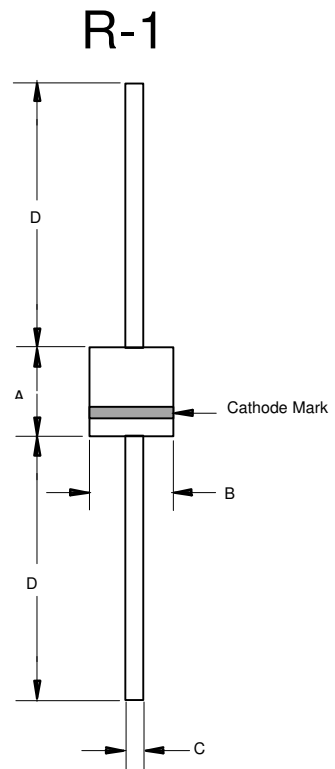


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows correspond to dimensions A, B, C, and D.

1N17 thru 1N19

FIG.1-FORWARD CURRENT DERATING CURVE

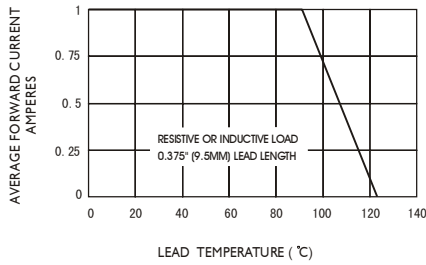


FIG.2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

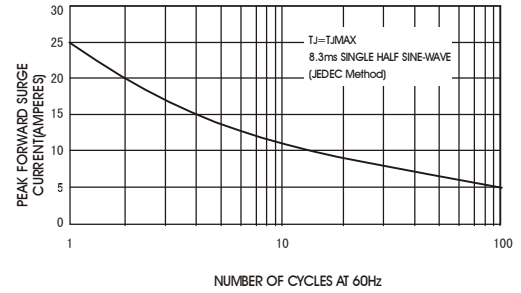


FIG.3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

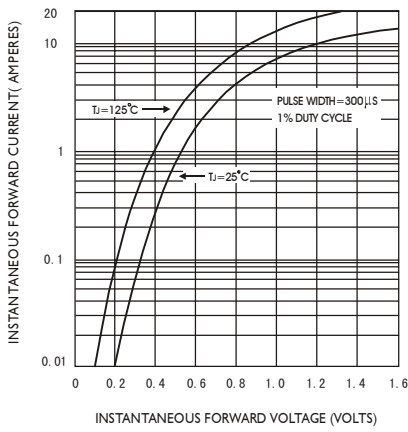


FIG.4-TYPICAL REVERSE CHARACTERISTICS

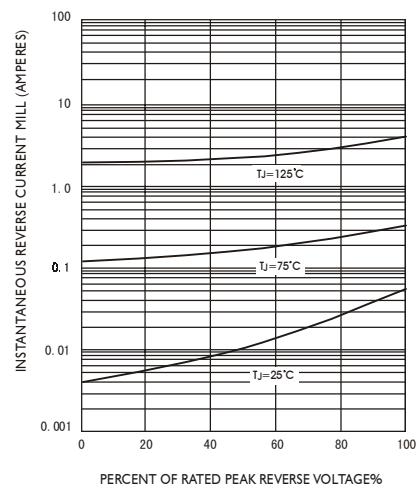


FIG.5-TYPICAL JUNCTION CAPACITANCE

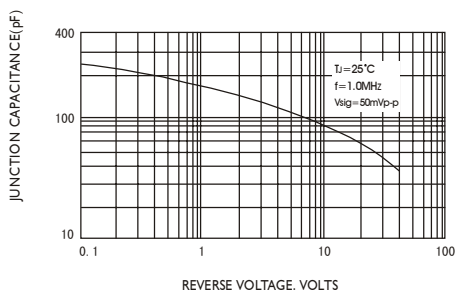
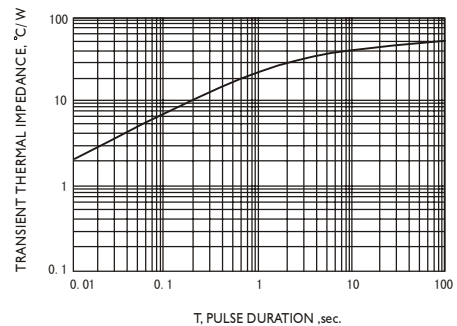


FIG.6-TYPICAL TRANSIENT THERMAL IMPEDANCE





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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 5Kpcs/Reel
Part Number-AP	Ammo Packing: 3Kpcs/Ammo Box

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