



Micro Commercial Components



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DL4448

Features

- Low Current Leakage
Metalurgically Bonded Construction
Low Cost
Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -65°C to +150°C
Storage Temperature: -65°C to +150°C
Maximum Thermal Resistance; 35°C/W Junction To Ambient
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Electrical Characteristics @ 25°C Unless Otherwise Specified

Table with 4 columns: Parameter, Symbol, Value, and Notes. Rows include Reverse Voltage, Peak Reverse Voltage, Average Rectified Current, Power Dissipation, Junction Temperature, Peak Forward Surge Current, Instantaneous Forward Voltage, Maximum DC Reverse Current, Typical Junction Capacitance, and Reverse Recovery Time.

Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 5.

500mW 100Volt Switching Diode

MINIMELF

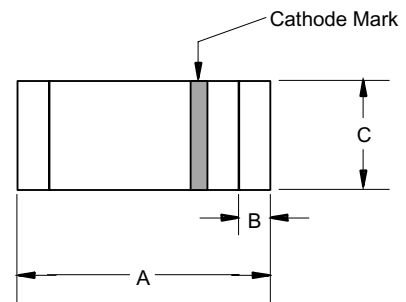
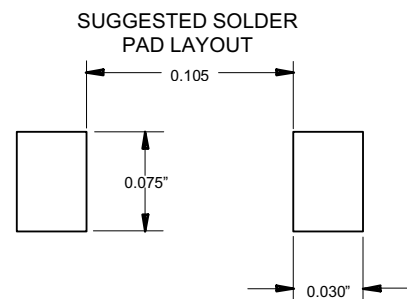


Table titled DIMENSIONS with columns for DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, and C correspond to the dimensions in the diagram.

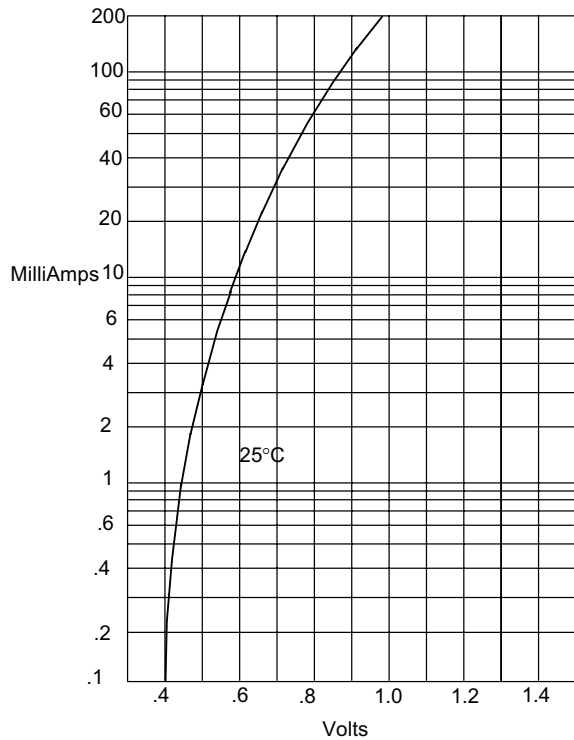


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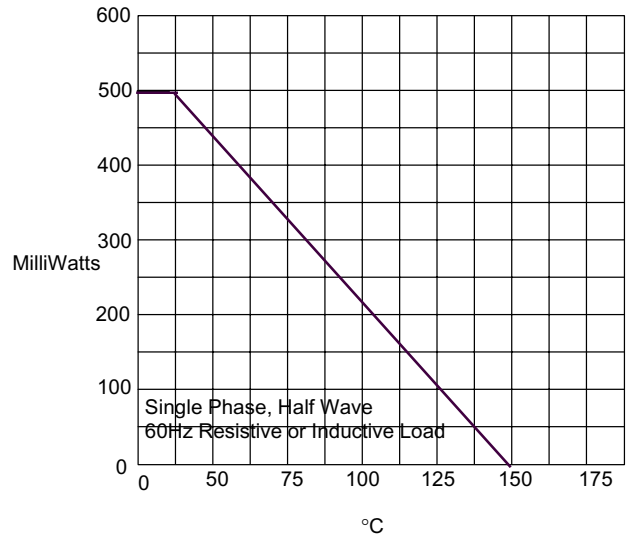
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Figure 1
Typical Forward Characteristics



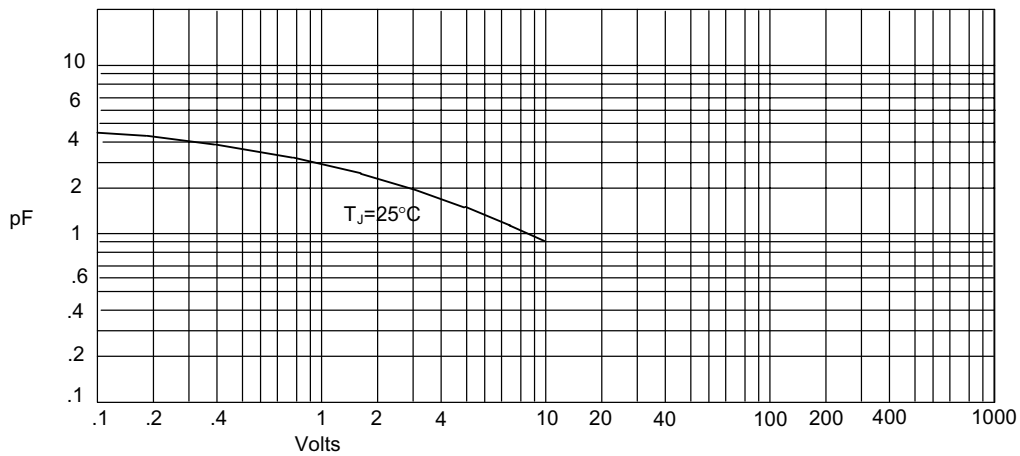
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Forward Derating Curve



Single Phase, Half Wave
60Hz Resistive or Inductive Load
Average Forward Rectified Current - Amperes *versus*
Ambient Temperature - °C

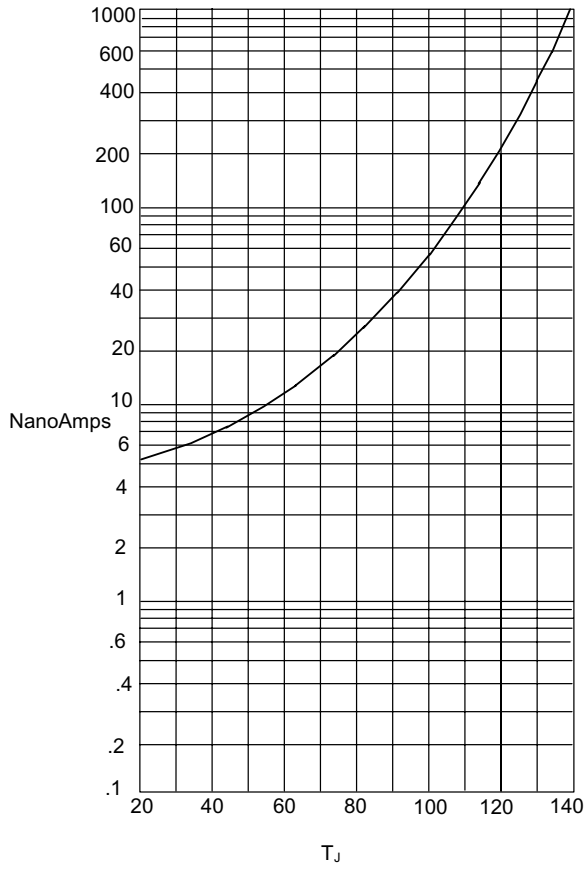
Figure 3
Junction Capacitance



Junction Capacitance - pF *versus*
Reverse Voltage - Volts

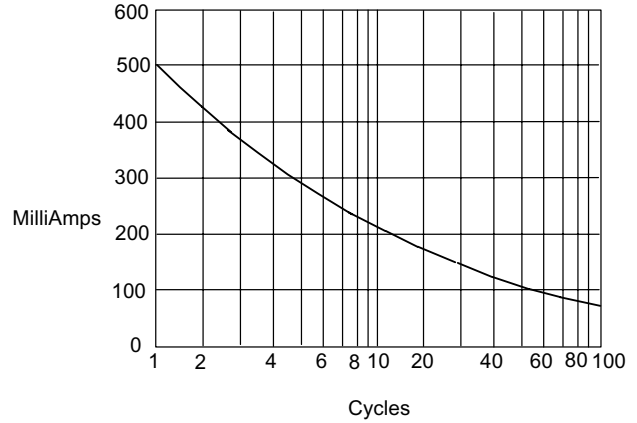
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Figure 4
Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - NanoAmperes versus Junction Temperature - °C

Figure 5
Peak Forward Surge Current



Peak Forward Surge Current - Amperes versus Number Of Cycles At 60Hz - Cycles



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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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