



Micro Commercial Components



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DL914

500mW 100 Volt
Silicon
Switching Diode

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix Designates Compliant. See ordering information)
Fast Switching Speed
Low Cost and Low Current Leakage
Epoxy meets UL 94 V-0 flammability rating
Moisture Sensitivity Level 1

Maximum Ratings

- Operation & Storage Temperature: -55°C to +150°C
Maximum Thermal Resistance: 35°C/W Junction to Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

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

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

MINIMELF

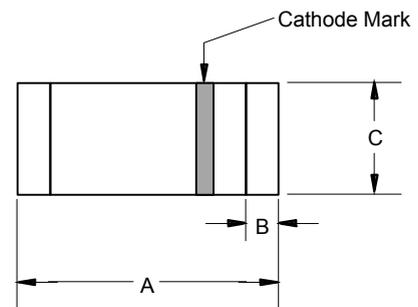
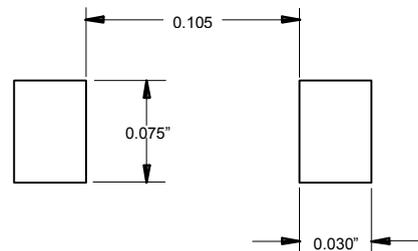


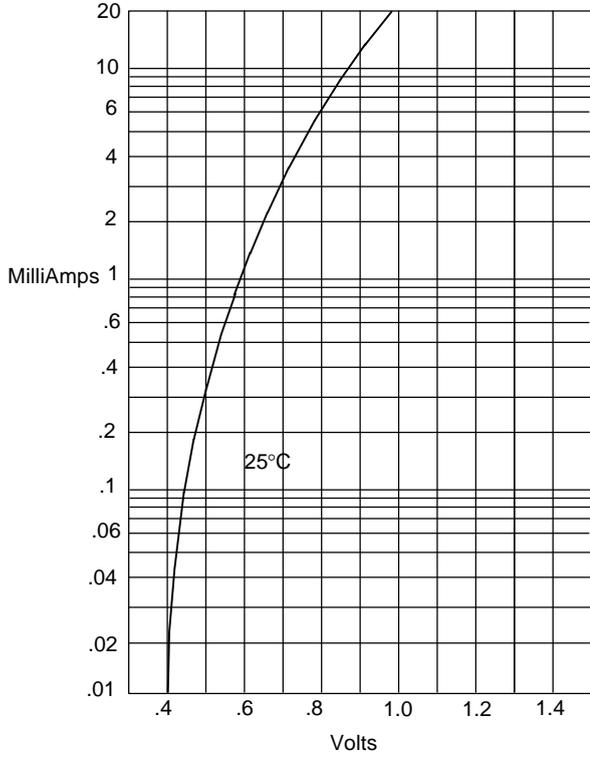
Table with 5 columns: DIM, INCHES (MIN, MAX), MM (MIN, MAX), and NOTE. Rows A, B, and C correspond to dimensions in the diagram.

SUGGESTED SOLDER PAD LAYOUT



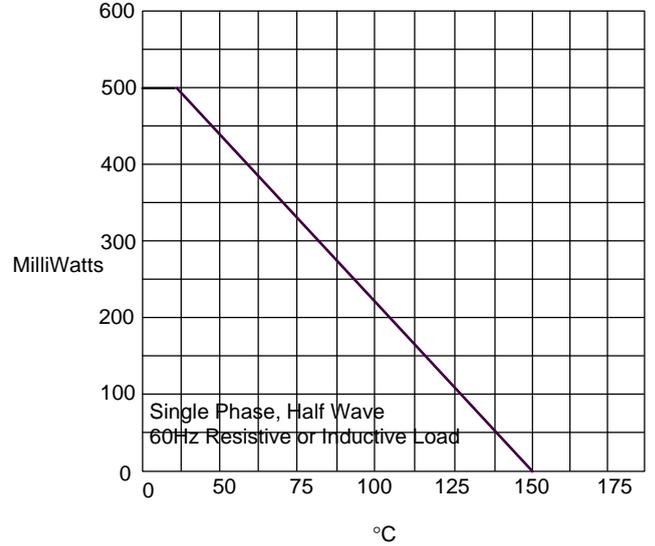
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Figure 1
Typical Forward Characteristics



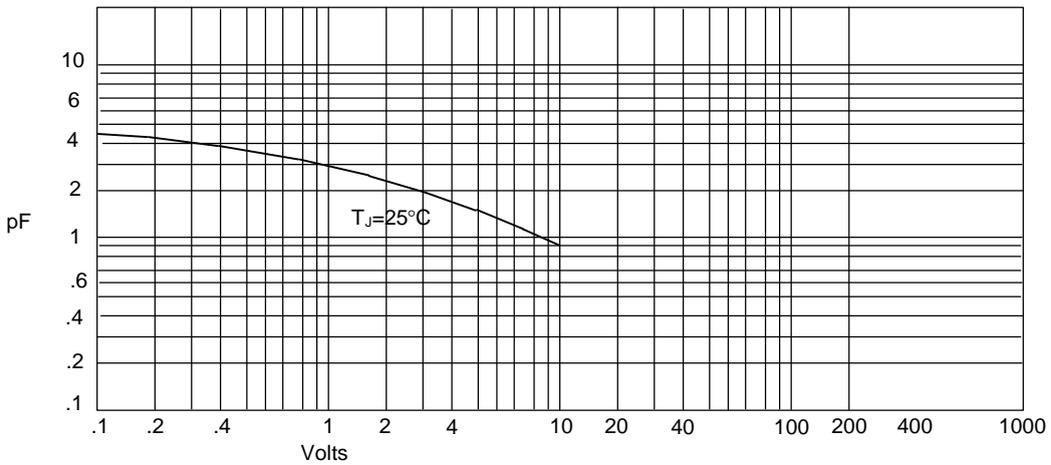
Instantaneous Forward Current - Amperes *versus*
Instantaneous Forward Voltage - Volts

Figure 2
Forward Derating Curve



Admissible Power Dissipation - MilliWatts *versus*
Ambient Temperature - °C

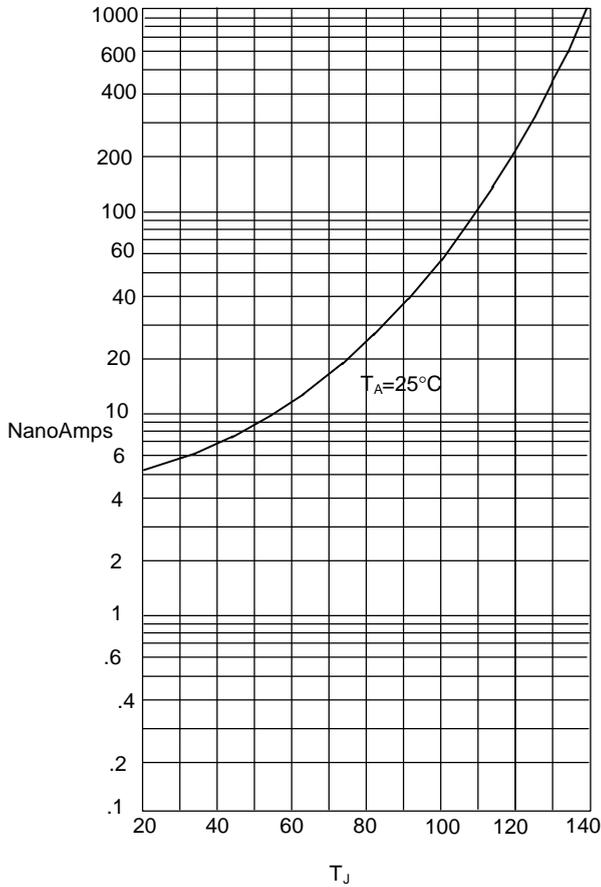
Figure 3
Junction Capacitance



Junction Capacitance - pF *versus*
Reverse Voltage - Volts

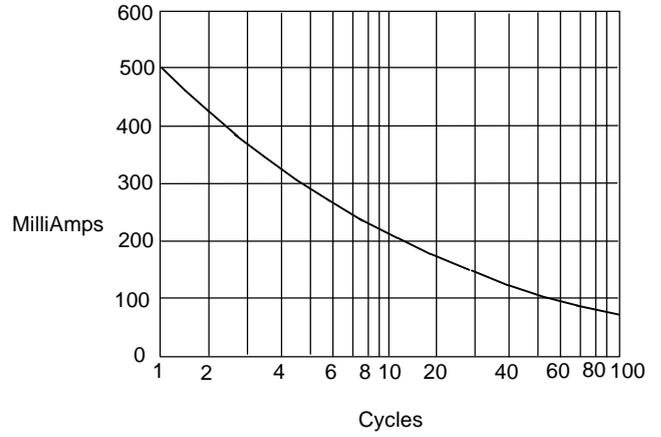
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Figure 4
Typical Reverse Characteristics



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

Figure 5
Peak Forward Surge Current



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



TM

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Ordering Information :

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

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