NOT RECOMMENDED FOR NEW DESIGNS USE 1N4148W-TP

ROHS

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Micro Commercial Components

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Micro Commercial Components

Features

- Low Current Leakage,Low Cost
- Compression Bond Construction
- Surface Mount Applications
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information)

Maximum Ratings

- Operating Temperature: -65[°]C to +175[°]C
- Storage Temperature: -65 °C to +175 °C
- Maximum Thermal Resistance: 500K/W Junction To Ambient Tested on PC Board 50mm × 50mm × 1.6mm

Electrical Characteristics @ 25 $^\circ\mathrm{C}$ Unless Otherwise Specified

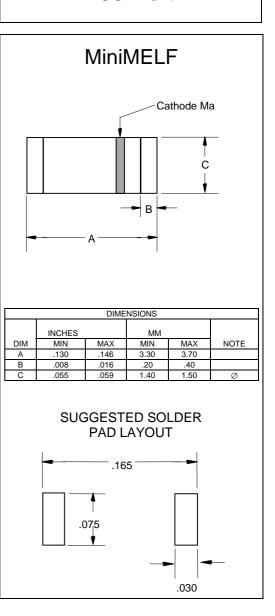
Reverse Voltage	V_{R}	75V	
Breakdown Voltage	V_{BR}	100V	IR=100 μ A
Average Forward Current	Ι _ο	150mA	
Power Dissipation	P _{TOT}	500mW	
Junction Temperature	T_J	175°C	
Peak Forward Surge Current	I _{FSM}	2.0A	$t_p = 1.0 \ \mu s$
Maximum Instantaneous Forward Voltage	V_{F}	1.0V	I _{FM} = 10mA
Maximum DC Reverse Current At Rated DC Blocking Voltage	I _R	25nA 5.0 μ A 50μA	V _R =20V; T _J = 25℃ V _R =75V; T _J = 25℃ V _R =20V; T _J =150℃
Maximum Junction Capacitance	C」	4.0pF	Measured at 1.0MHz, V _R =0V
Maximum Reverse Recovery Time	T _{rr}	4.0ns	$I_F=10mA; V_R = 6V$ $R_L=100\Omega$

Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 7(c)-I.

500mW High Speed Switching Diode

100 Volt

DL4148

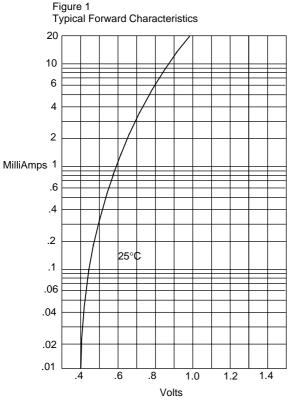


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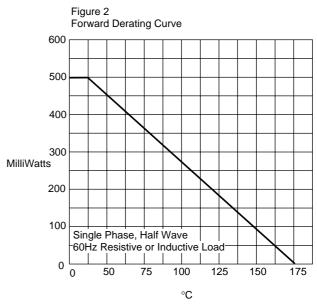
Revision: B

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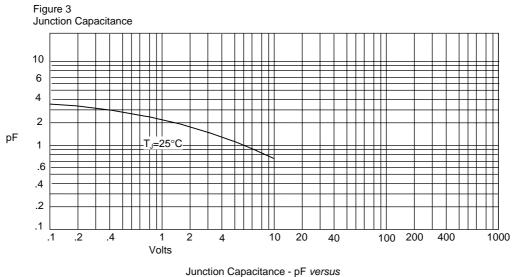




Instantaneous Forward Current - MilliAmperes versus Instantaneous Forward Voltage - Volts



Admissable Power Dissipation - MilliWatts versus Ambient Temperature - $^\circ\mathrm{C}$



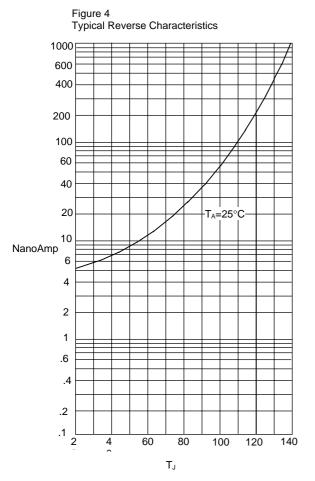
Reverse Voltage - Volts

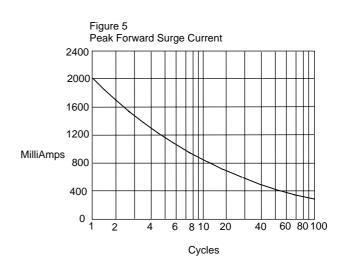
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Peak Forward Surge Current - Amperes *versus* Number Of Cycles At 60Hz - Cycles

Instantaneous Reverse Leakage Current - NanoAmperes versus Junction Temperature - $^{\circ}\mathrm{C}$

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Ordering Information :

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

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