



180 Lafayette Road
North Hampton, NH 03862-2448
PH: 603-964-3165
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WWW.PDEELECTRONICS.COM

PD5550

High Power Rectifier

FEATURES

- Low Leakage Current
- High Surge Current Capable
- High Temp Metallurgically Bonded Construction
- Hermetically Sealed
- Low Thermal Resistance
- Low Forward Voltage
- High Current Capable
- Ultra Fast Recovery Time
- Cavity-Free, Glass Passivated



MAXIMUM RATINGS

Reverse Voltage.....200V
Average Forward Current ($T_A=55^\circ\text{C}$).....3A
Forward Surge Current (8.3ms, half sine).....150A
Junction Temperature..... -55°C to $+175^\circ\text{C}$
Storage Temperature..... -55°C to $+175^\circ\text{C}$
Thermal Resistance..... 22°K/W Junction to Lead

ELECTRICAL CHARACTERISTICS

Part Number	Reverse Current (I_R @ 200V)		Max Forward Voltage (V_F @ 9A)	Reverse Recovery Time (t_{rr}) *	Min Breakdown Voltage (V_{BR} @ 50 μA)
	$T_A=25^\circ\text{C}$	$T_A=100^\circ\text{C}$	$T_A=25^\circ\text{C}$	$T_A=25^\circ\text{C}$	$T_A=25^\circ\text{C}$
PD5550	1 μA	25 μA	1.2V	2 μs	240

* $I_F = 0.5\text{A}$, $I_{RM} = 1\text{A}$, $I_R = 0.25\text{A}$

Specifications subject to change without notice to ensure a better product

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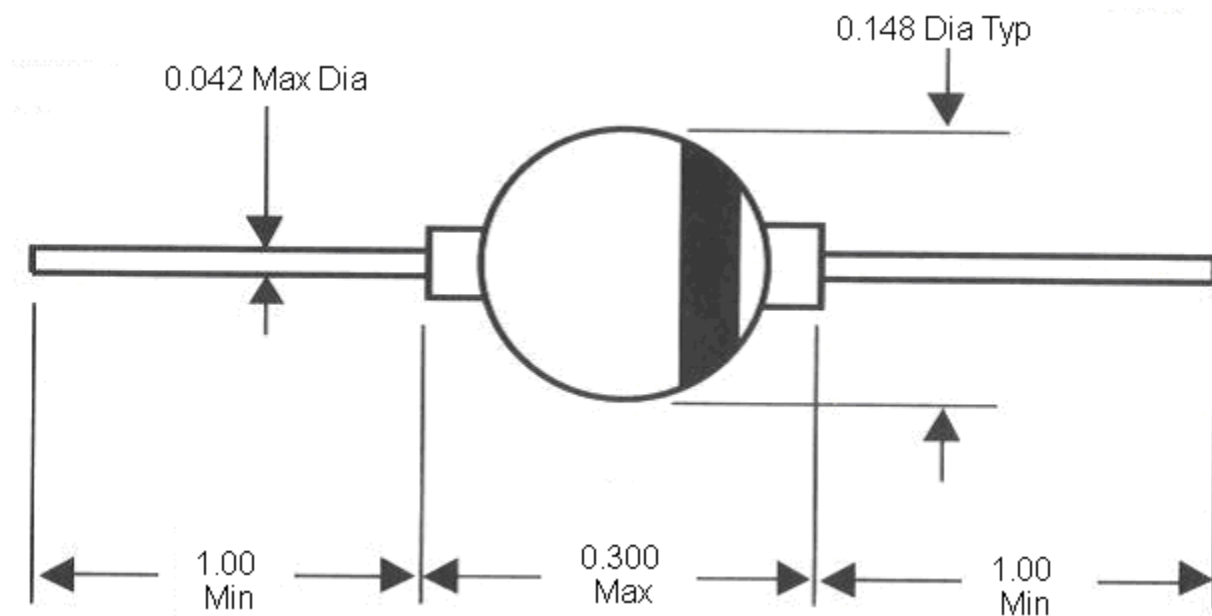
MECHANICAL DATA

Case: Double Plug Metallurgically Bonded

Terminals: Plated Axial Leads

Polarity: Band Denotes Cathode Lead.

PACKAGE DIMENSIONS (in inches)



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