



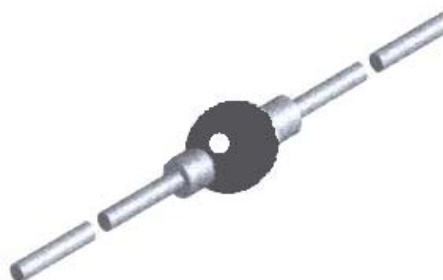
180 Lafayette Road
North Hampton, NH 03862-2448
PH: 603-964-3165
FX: 603-964-3168
WWW.PDEELECTRONICS.COM

PD6631

Ultra Fast Diode

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.....1000V
Average Forward Current.....3A
Forward Surge Current (10ms, half sine).....150A
Junction Temperature.....-55°C to +175°C
Storage Temperature.....-55°C to +175°C
Thermal Resistance.....25°K/W Junction Ambient

ELECTRICAL CHARACTERISTICS

Part Number	Reverse Current (I_R @ 1000V)		Max Forward Voltage		Reverse Recovery Time (t_{rr}) *	Breakdown Voltage (V_{BR}) $I_{BR}=50\mu A$
	$T_A=25^\circ C$	$T_A=150^\circ C$	$T_A=25^\circ C$		$T_A=25^\circ C$	$T_A=25^\circ C$
PD6631	1 μA	100 μA	1.3V@1A	1.5V@2A	75ns	1100V

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

Specifications subject to change without notice to ensure a better product

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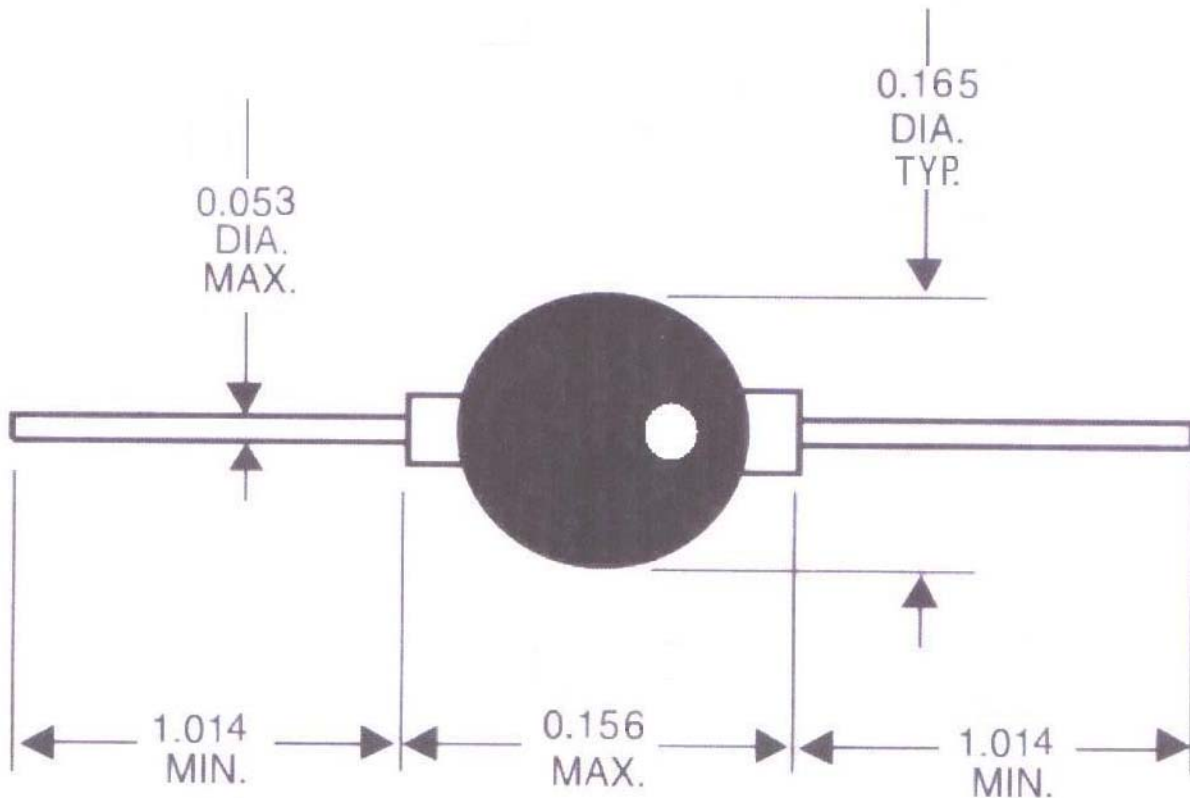
MECHANICAL DATA

Case: Double Plug Metallurgically Bonded

Terminals: Plated Axial Leads

Polarity: Color Dot Denotes Cathode Lead

PACKAGE DIMENSIONS (in inches)



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