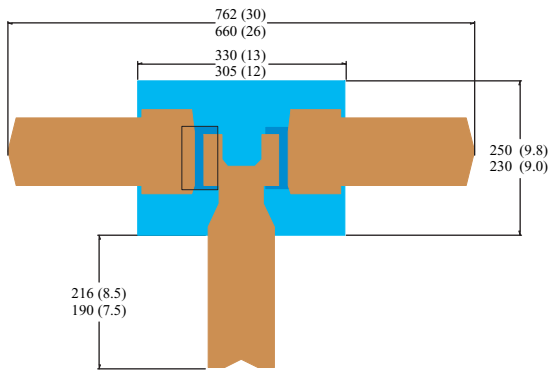
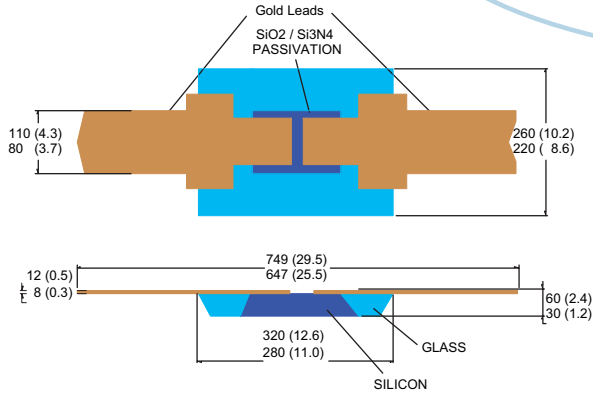


PLANAR BEAM LEAD PIN DIODES FOR HIGH ISOLATION



B16

Dimensions in um (1/1000 in)



B15

Features:

- High Breakdown Voltage
- 100 volt typical
- Low Capacitance: 0.018 pF typical
- Single and Common Anode Series Pair
- Low Resistance: 5.5 ohms typical
- Rugged Construction: Silicon in "Glass by Itself" 4 Gram minimum Lead Pull
- Oxide / Nitride / Polyimide Passivation for High Reliability

Description:

Aeroflex / Metelics' Planar Beam Lead PIN diodes provide low microwave capacitance with exceptional lead strength. The high beam strength offers the users superior assembly yield. The Oxide / Nitride / Polyimide Passivation offers high reliability with low reverse leakage current and high temperature performance.

RF Specifications @ +25 °C:

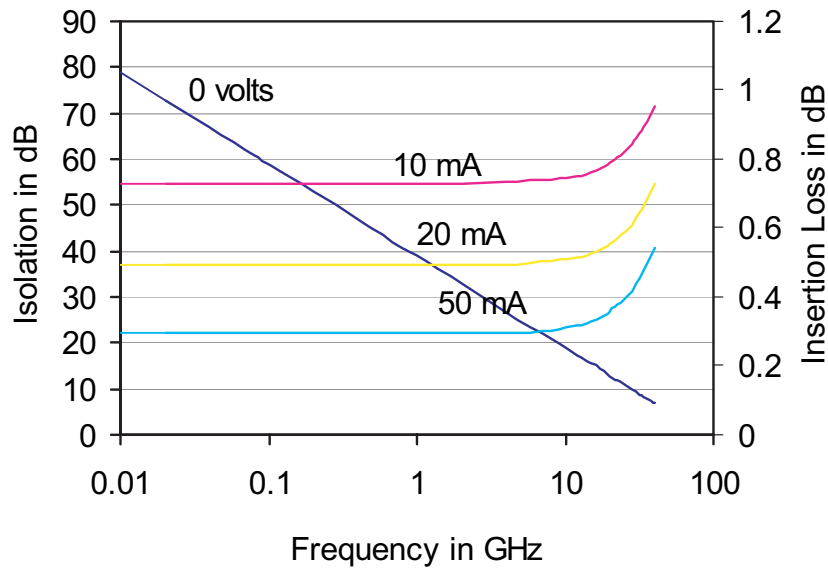
PART NUMBER	STYLE	Max. Ir @ 30 V nA	Min. Vbr @ 10uA V	Max. Cj ³ @ 10 V pF	Max. Rs4 @ 20 mA Ω	TL ⁵ nS	Replacement for HP Part
MPND-4005-B15	Single	100	100	0.02	6.5	125	HPND-4005
MPND-4005-B16	Common Anode	100	100	0.02	6.5	125	N/A

Maximum Ratings:

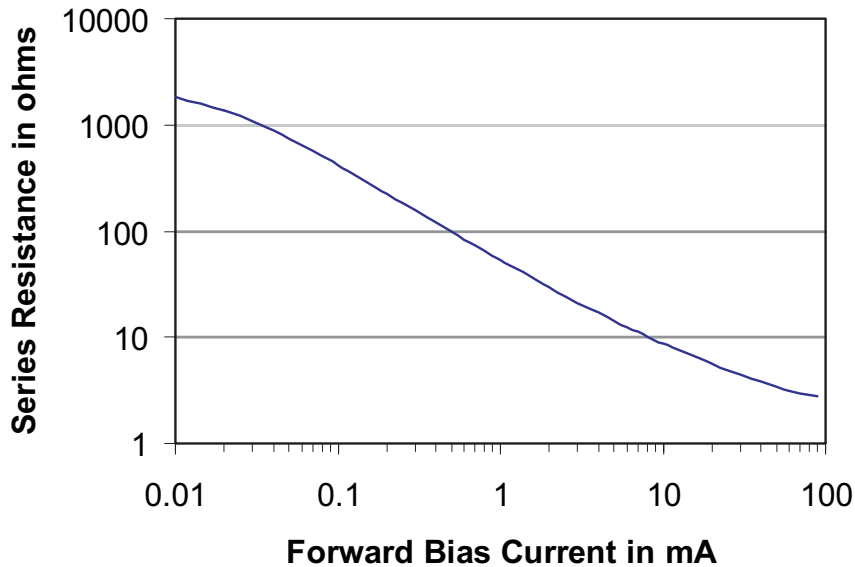
Parameters	Rating
Total Power Dissipation	250 mW @ +25°C
Derate linearly	0 at +175°C
Operation Temperature	-65 to +175 °C
Storage Temperature	-65 to +200 °C
Terminal Strength	3 grams minimum



Isolation vs Frequency



FORWARD RESISTANCE vs CURRENT



Aeroflex / Metelics

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Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.