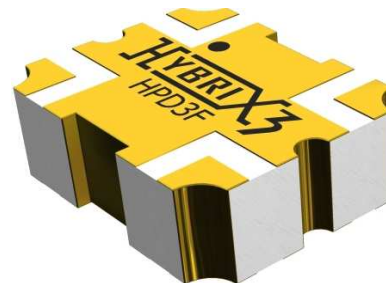


FEATURES

- Low Profile Surface Mount Package
- High Power
- Low Insertion Loss
- High Isolation
- 100% Tested

APPLICATIONS

- Power Amplifiers
- Modulator
- Demodulator
- Signal Distribution Network
- Antenna Feeds
- Switch Networks



GENERAL DESCRIPTION

Florida RF Labs offers high performance hybrid couplers in a low profile, surface mount package. These couplers are designed for demanding applications where high power, low loss and excellent isolation are required.

SPECIFICATIONS

1.0 ELECTRICAL

Frequency	Isolation	Insertion Loss	VSWR	Amplitude Balance	Phase Error	Power Handling
800 to 960 MHz	20 dB Min	0.4 dB Max	1.22 Max	± 0.3 dB Max	90° ±3	80 Watts CW
960 to 1000 MHz	18 dB Min	0.4 dB Max	1.35 Max	± 0.3 dB Max	90° ±3	80 Watts CW

2.0 MECHANICAL

Operating Temperature: -55 °C to 125 °C
 Substrate: LTCC
 Conductor: Silver
 Plating: Gold
 Application Note: AN0030 (General Hybrid And Directional Coupler)

3.0 UNIT MARKING

Logo, Part Number and Pin 1 Identification

4.0 PACKAGING

Standard: Tape And Reel

5.0 PART NUMBERING

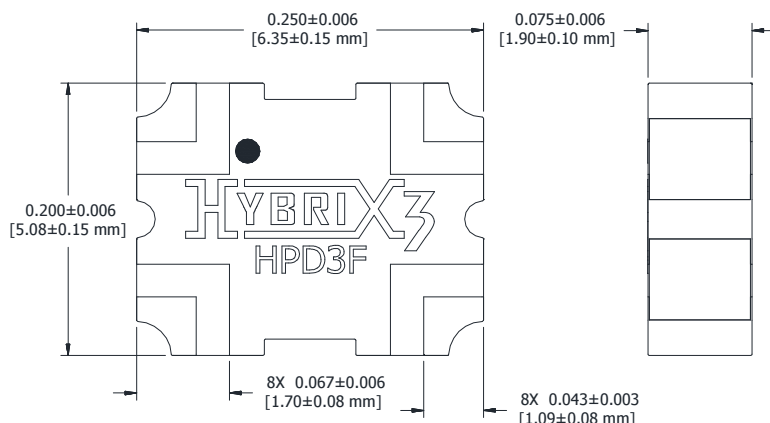
Part Identifier: HPD3F

PIN CONFIGURATION



Port	P1	P2	P3	P4
P1	-	Iso	-90°	0°
P2	Iso	-	0°	-90°
P3	-90°	0°	-	Iso
P4	0°	-90°	Iso	-

MECHANICAL OUTLINE



Unless Otherwise Specified: TOLERANCE: .XXX = ± .010

Note: Specifications are subject to change without notice.

6.0 TYPICAL PERFORMANCE AT 25 °C

