

FEATURES

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

APPLICATIONS

- Power Amplifiers
- Power Monitors
- Reflectometers
- Signal Distribution Network
- Antenna Feeds
- Switch Networks



GENERAL DESCRIPTION

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

SPECIFICATIONS

1.0 ELECTRICAL

Frequency	Coupling	Directivity	Insertion Loss	VSWR	Power Handling
2000 to 2300 MHz	10 ± 0.75 dB	20 dB Min	0.2 dB Max	1.2 Max	80 Watts CW

2.0 MECHANICAL

- Operating Temperature: -55 °C to +125 °C
- Thermal Resistance: 20.8°C/W
- Substrate: LTCC
- Conductor: Silver
- Plating: Gold
- Application Note: AN0030 (General Hybrid And Directional Coupler)

3.0 UNIT MARKING

- Logo And Part Number

4.0 PACKAGING

- Standard: Tape And Reel

5.0 PART NUMBERING

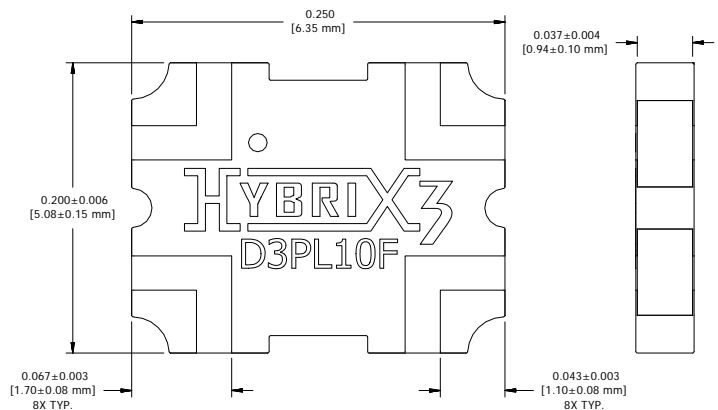
- Part Identifier: D3PL10F

PIN CONFIGURATION



Port	P1	P2	P3	P4
P1	-	Iso	Out	Coup
P2	Iso	-	Coup	Out
P3	Out	Coup	-	Iso
P4	Coup	Out	Iso	-

MECHANICAL OUTLINE

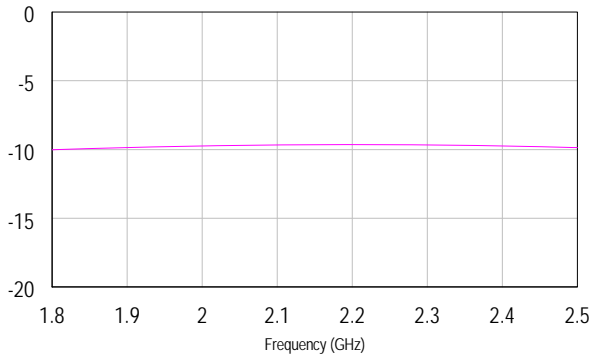


Note: Specifications are subject to change without notice.

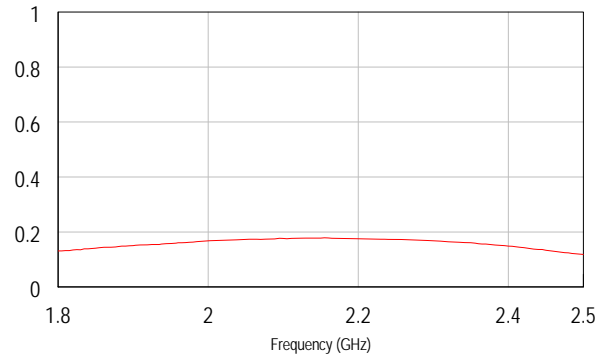
Unless Otherwise Specified: TOLERANCE: .XXX = ±.010

6.0 TYPICAL PERFORMANCE AT 25 °C

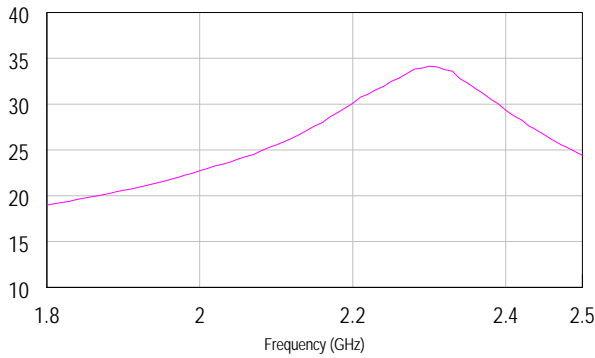
COUPLING



INSERTION LOSS



DIRECTIVITY



VSWR ALL PORTS

