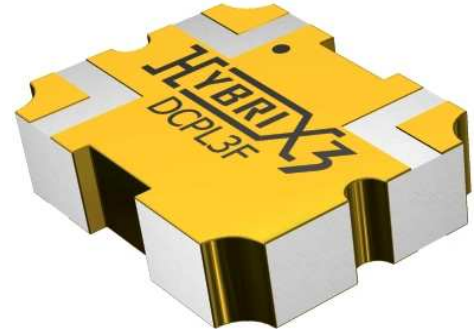


## FEATURES

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

## APPLICATIONS

- Doherty Amplifiers
- Modulator
- Demodulator
- Signal Distribution Network
- Antenna Feeds



## GENERAL DESCRIPTION

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

## SPECIFICATIONS

### 1.0 ELECTRICAL

Frequency	Insertion Loss	VSWR	Amplitude Balance	Phase Balance	Power Handling
2100 to 2200 MHz	0.20 dB Max	1.20 Max	±0.20 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

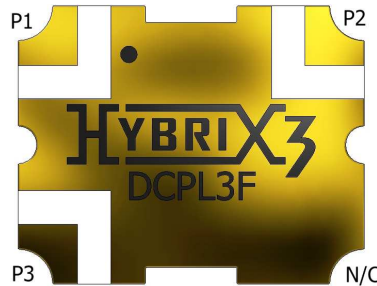
### 4.0 PACKAGING

Standard: Tape And Reel

### 5.0 PART NUMBERING

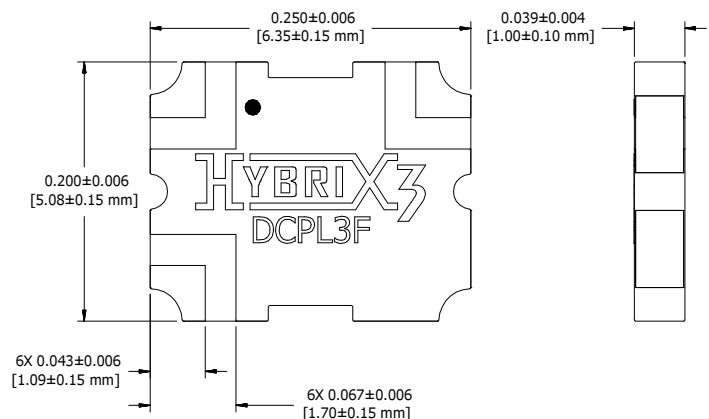
Part Identifier: DCPL3F

### PIN CONFIGURATION



Port	
P1	Peak Amp. Port
P2	Main Amp. Port
P3	Sum Port

### MECHANICAL OUTLINE

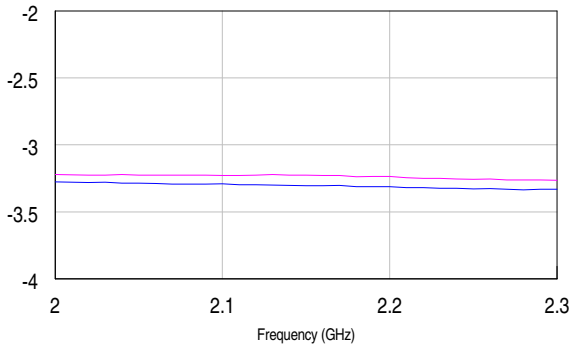


Unless Otherwise Specified: TOLERANCE: .XXX = ±.010

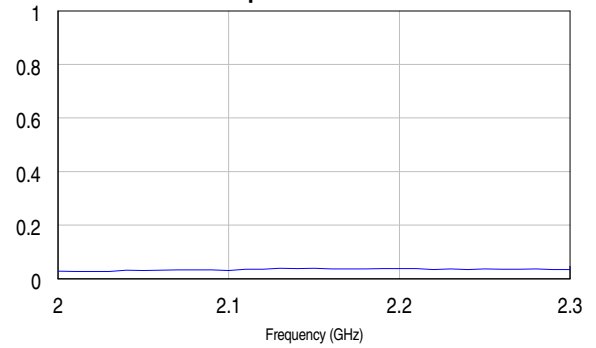
Note: Specifications are subject to change without notice.

**6.0 TYPICAL PERFORMANCE AT 25 °C**

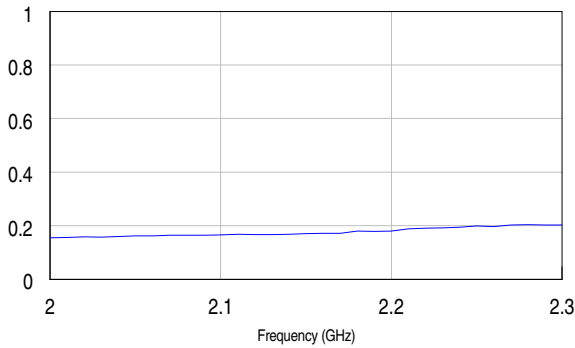
**Peak & Carrier Transmissions**



**Amplitude Balance**



**Insertion Loss**



**VSWR**

