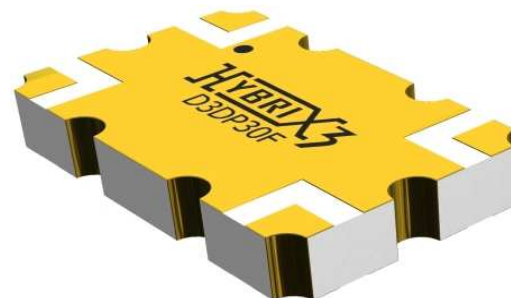


## FEATURES

- Low Profile Surface Mount Package
- High Power
- Low Insertion Loss
- High Directivity
- 100% 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 |
|------------------|------------|-------------|----------------|---------|----------------|
| 2300 to 2700 MHz | 30.0 ± 1.5 | 18 dB Max   | 0.2 dB Min     | 1.2 Max | 200 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

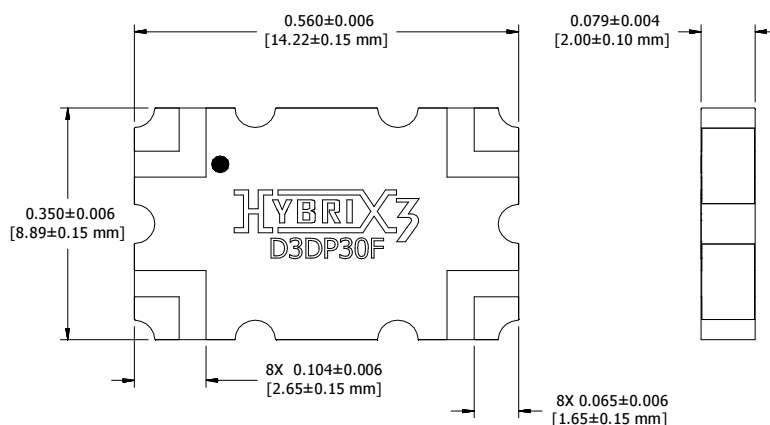
Part Identifier: D3DP30F

## PIN CONFIGURATION



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

## MECHANICAL OUTLINE



Note: Specifications are subject to change without notice.

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