

**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**

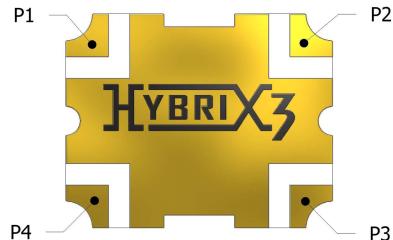
Florida RF Labs offers high performance directional couplers in a low profile, surface mount package. These couplers are designed for demanding applications where high power, low loss and excellent directivity are required.

**SPECIFICATIONS****1.0 ELECTRICAL**

Frequency	Coupling	Directivity	Insertion Loss	VSWR	Power Handling
2300 to 2700 MHz	$30.0 \pm 1.0$ dB	18 dB Min	0.2 dB Max	1.2 Max	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)

**PIN CONFIGURATION**

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

**3.0 UNIT MARKING**

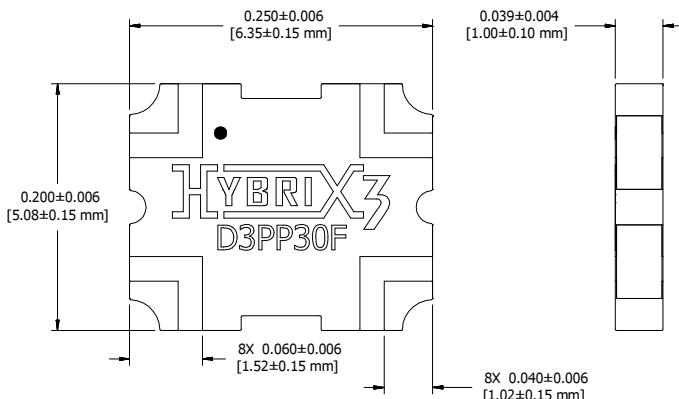
Logo, Part Number and Pin 1 Identification

**4.0 PACKAGING**

Standard: Tape And Reel

**5.0 PART NUMBERING**

Part Identifier: D3PP30F

**MECHANICAL OUTLINE**

Note: Specifications are subject to change without notice.

## 6.0 TYPICAL PERFORMANCE AT 25 °C

