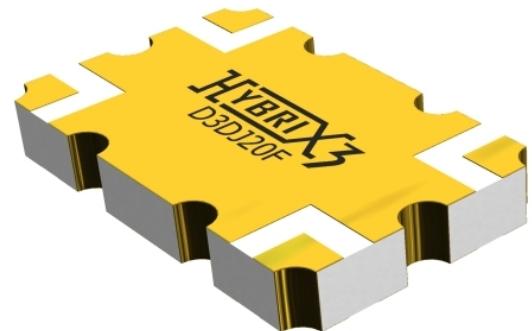


FEATURES

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**

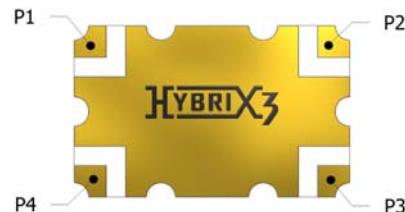
Florida RF Labs offers high performance directional couplers in a low profile, surface mount package. These couplers are designed for demanding applications where high power, low loss and excellent directivity are required.

SPECIFICATIONS**1.0 ELECTRICAL**

| Frequency | Coupling | Directivity | Insertion Loss | VSWR | Power Handling |
|------------------|-------------|-------------|----------------|----------|----------------|
| 1700 to 2000 MHz | 20 ± 0.6 dB | 23 dB Min | 0.15 dB Max | 1.15 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)

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

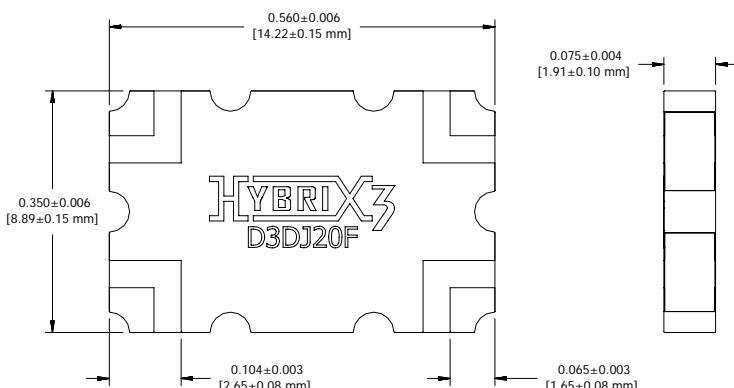
Logo And Part Number

4.0 PACKAGING

Standard: Tape And Reel

5.0 PART NUMBERING

Part Identifier: D3DJ20F

MECHANICAL OUTLINE

Note: Specifications are subject to change without notice.

6.0 TYPICAL PERFORMANCE AT 25 °C

