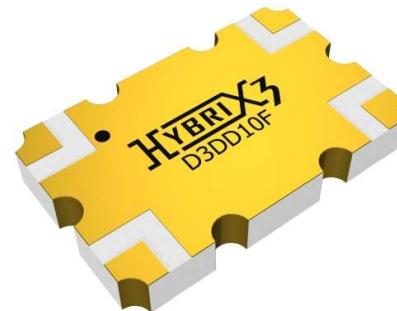


FEATURES

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
815 to 960 MHz	10 ± 0.6 dB	20 dB Min	0.15 dB Max	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)

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

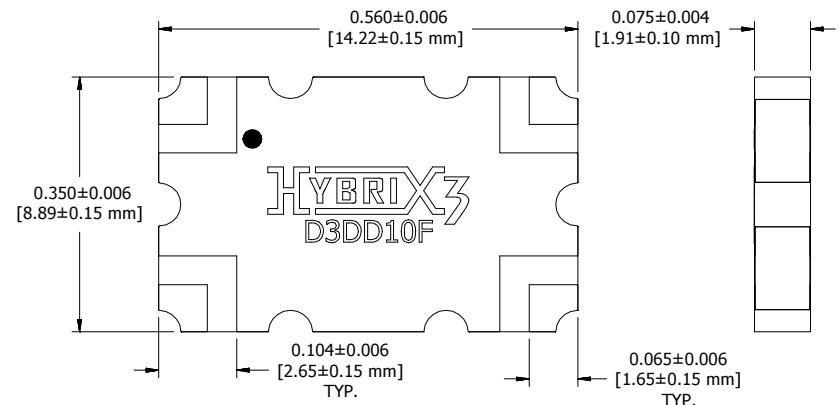
Logo, Part Number and Pin 1 Identification

4.0 PACKAGING

Standard: Tape And Reel

5.0 PART NUMBERING

Part Identifier: D3DD10F

MECHANICAL OUTLINE

Note: Specifications are subject to change without notice.

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

DATA SHEET

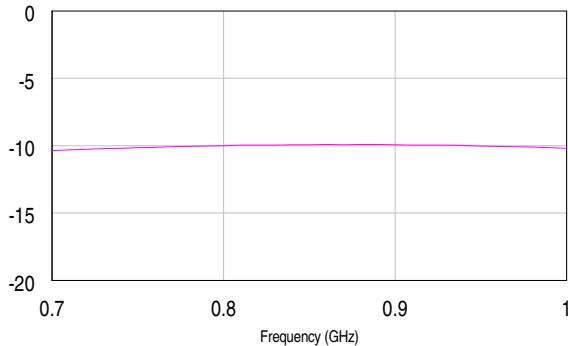
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SHEET 2 OF 2

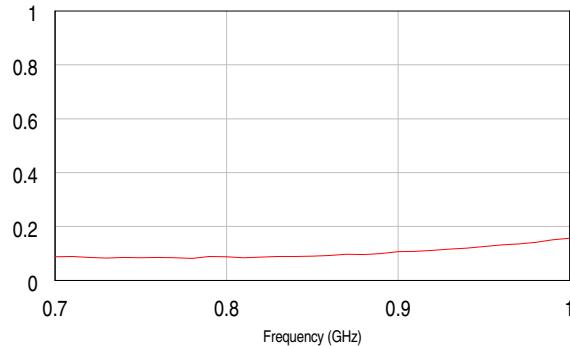
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3/28/2013

6.0 TYPICAL PERFORMANCE AT 25 °C

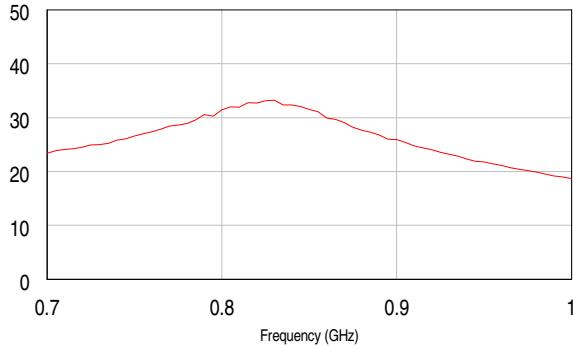
COUPLING



INSERTION LOSS



DIRECTIVITY



VSWR ALL PORTS

