

Xinger®

Hybrid Couplers

3 dB, 90°



Description

The 2D1304-3 is a low loss, high power 3dB hybrid coupler in an easy to use surface mount package for AMPS, IDEN and GSM applications. The 2D1304-3 is ideal for balanced amplifiers and signal distribution and can be used in most high power designs. Parts have been run through rigorous qualification and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates.

Features

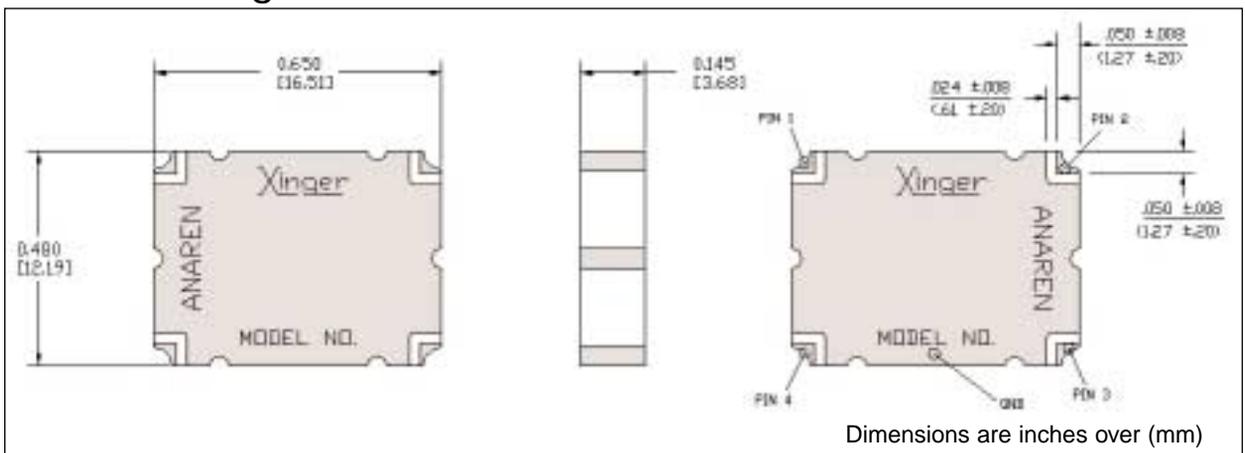
- 815 - 960 MHz
- Very Low Loss
- High Power
- High Isolation
- 90° Quadrature
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

Electrical Specifications

Frequency MHz	Isolation dB Min	Insert. Loss dB Max	VSWR Max : 1
815 - 960	21	0.20	1.20
Amp. Bal. dB Max	Phase Bal. Degrees Max	Θ_{JC} (°C/diss. Watt)	Avg. Power CW [Watts]
±0.30	3	11.2	200

Specifications subject to change without notice.

Outline Drawing



Available on Tape and Reel for Pick and Place Manufacturing.

Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121
 Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

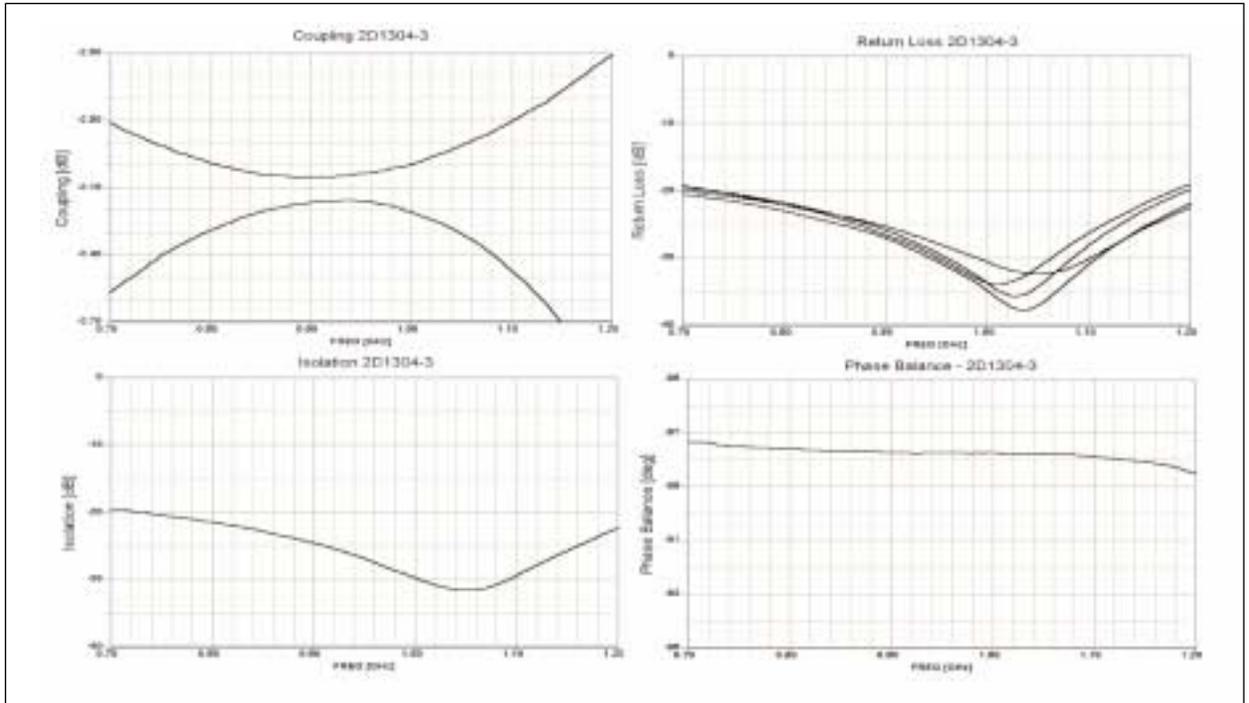
Model 2D1304-3

Anaren

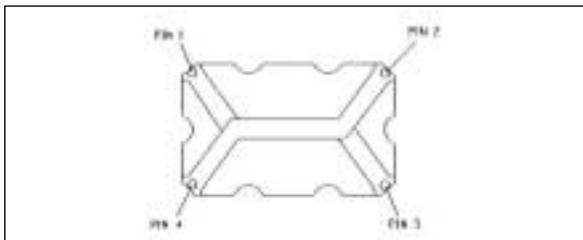
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Typical Performance

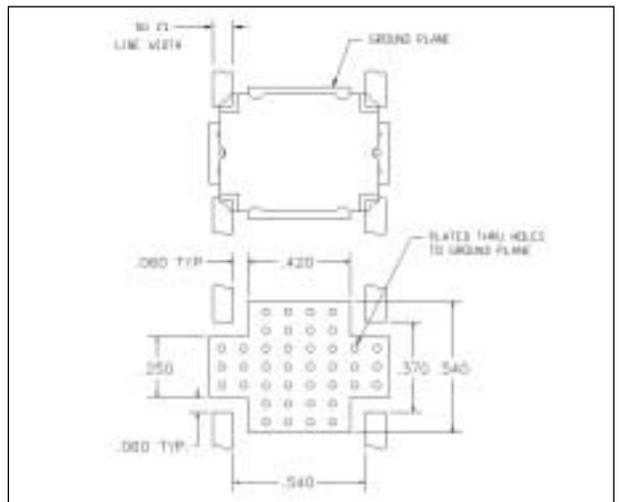


Pin Configuration



	Pin 1	Pin 2	Pin 3	Pin 4
#1	Input	Isolated	-3dB, -90°	-3dB, 0°
#2	Isolated	Input	-3dB, 0°	-3dB, -90°
#3	-3dB, -90°	-3dB, 0°	Input	Isolated
#4	-3dB, 0°	-3dB, -90°	Isolated	Input

Mounting Footprint



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