

Xinger®

Directional Couplers

6 dB

Description

The 1D1304-6 is a low profile 6dB directional coupler in an easy to use surface mount package covering the AMPS and GSM bands. The 1D1304-6 is ideal for 4 way inline split/combine amplifiers and for power injection and can be used in most high power designs. Parts have been run through rigorous qualification testing and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates.



Features

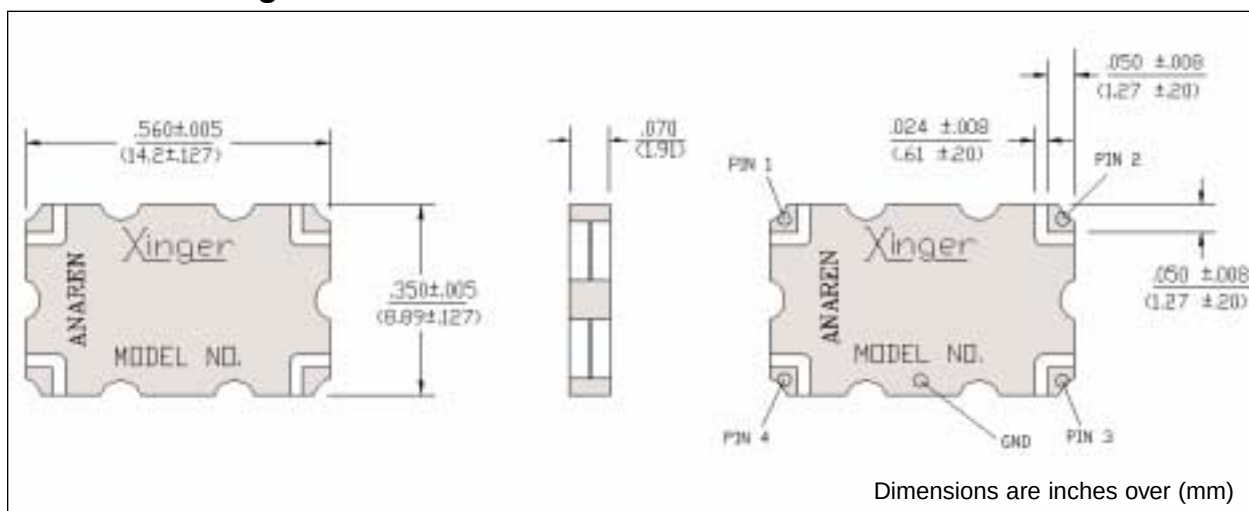
- 800 - 1200 MHz
- Low Loss
- High Directivity
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

Electrical Specifications

	Frequency MHz	Mean Coupling dB	Insert. Loss dB Max	VSWR Max : 1
Narrow	815 - 960	6.0 ± 1.0	0.25	1.17
Broad	800 - 1200			
	Freq. Sensitivity dB Max	Directivity dB Min	Θ_{JC} (°C/diss. Watt)	Power Watts Ave/CW
Narrow	± 0.40	20	9.8	150
Broad	± 0.60			

Specifications subject to change without notice.

Outline Drawing



Available on Tape and Reel for Pick and Place Manufacturing.

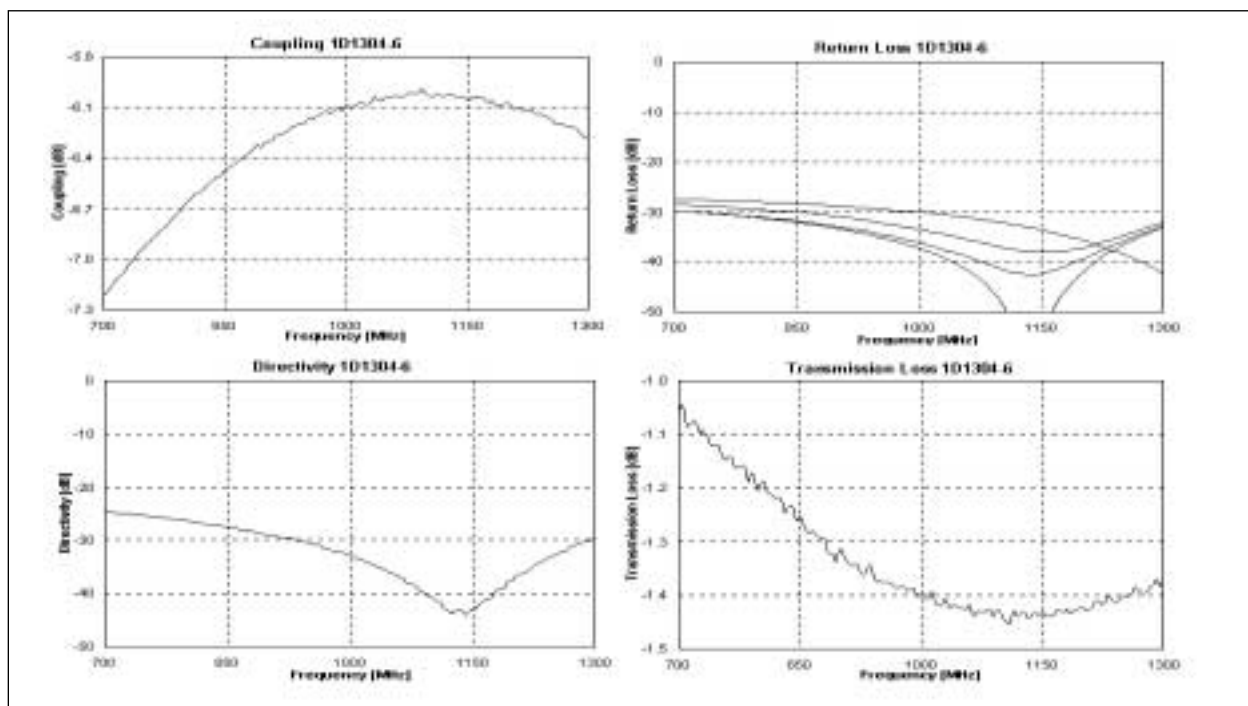
Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121
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Model 1D1304-6

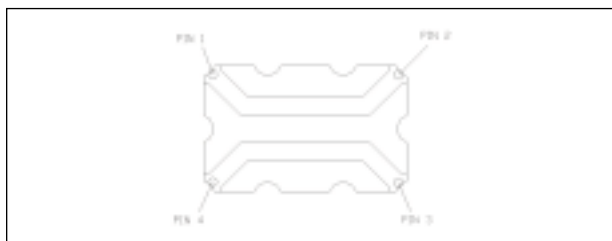
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Typical Performance



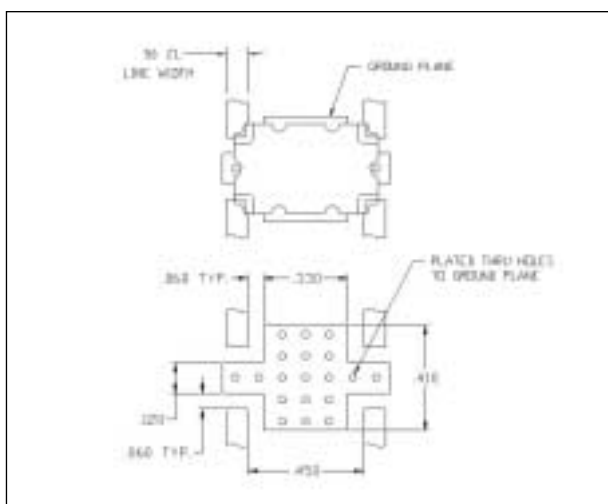
Pin Configuration



	Pin 1	Pin 2	Pin 3	Pin 4
#1	Input	Output	Isolated	Coupled
#2	Output	Input	Coupled	Isolated
#3	Isolated	Coupled	Input	Output
#4	Coupled	Isolated	Output	Input

visit www.anaren.com

Mounting Footprint



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What'll we think of next?™

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