

Xinger®

Directional Couplers

6 dB

Description

The 1A1305-6 is a low profile 6dB directional coupler in an easy to use surface mount package covering the PCS and DCS bands. The 1A1305-6 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

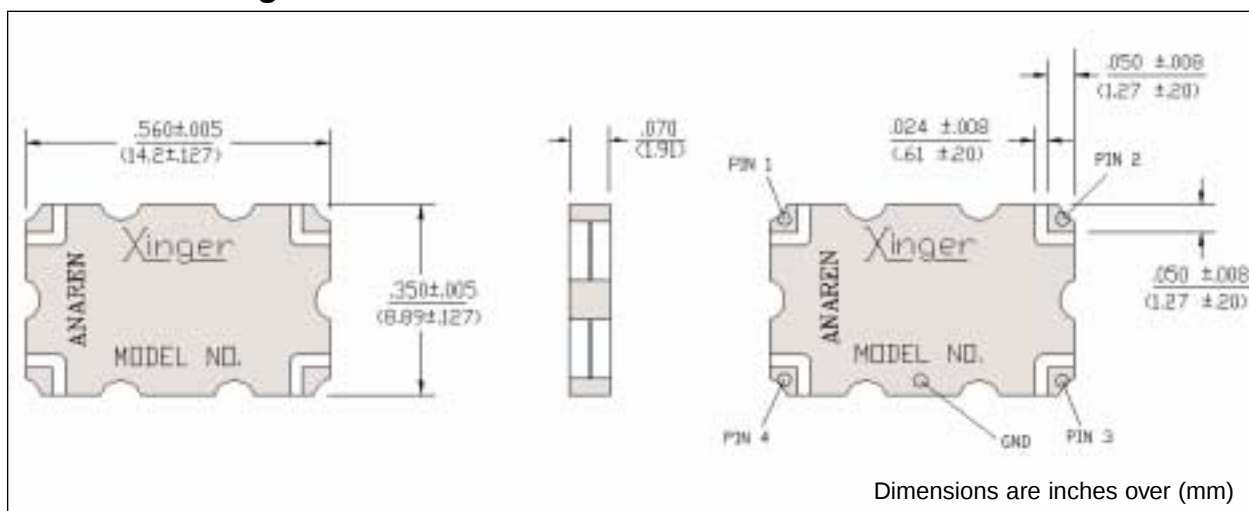
- 1.5 - 2.2 GHz
- Low Loss
- High Directivity
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

Electrical Specifications

	Frequency GHz	Mean Coupling dB	Insert. Loss dB Max	VSWR Max : 1
Narrow	1.7 - 2.0	6.0 ± 1.0	0.30	1.18
Broad	1.5 - 2.2			
	Freq. Sensitivity dB Max	Directivity dB Min	Θ_{JC} (°C/diss. Watt)	Power Watts Ave/CW
Narrow	± 0.20	20	15.1	100
Broad	± 0.30			

Specifications subject to change without notice.

Outline Drawing



Available on Tape and Reel for Pick and Place Manufacturing.

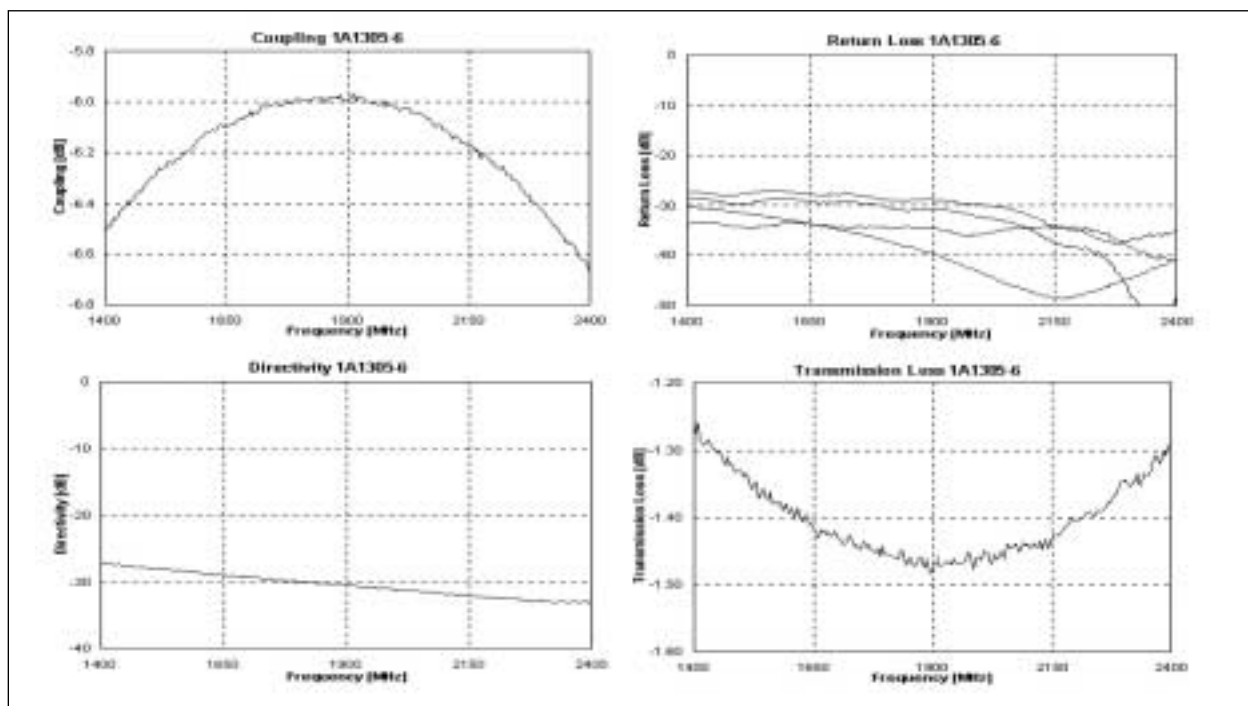
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Model 1A1305-6

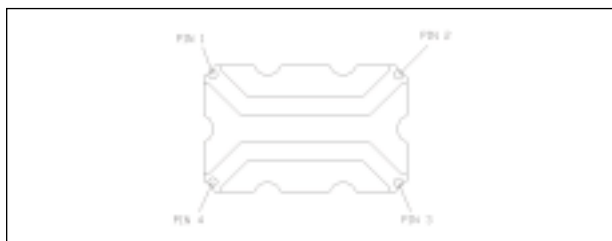
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Typical Performance



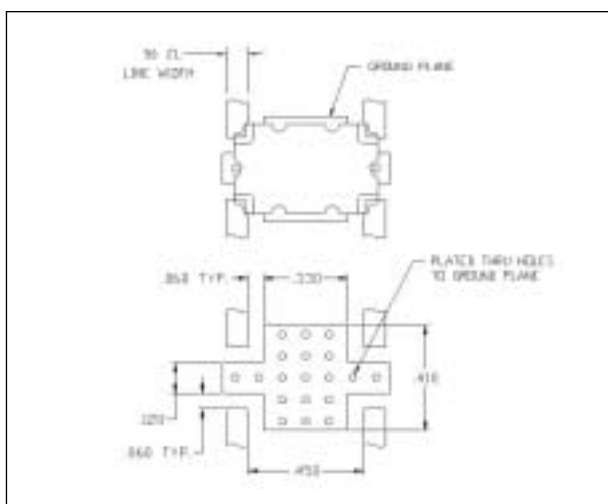
Pin Configuration



	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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