



Directional Couplers

30 dB

Description

The 1H1304-30 is a low profile 30dB directional coupler in an easy to use surface mount package covering the AMPS and GSM bands. The 1H1304-30 is ideal for power and frequency detection as well as VSWR monitoring 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

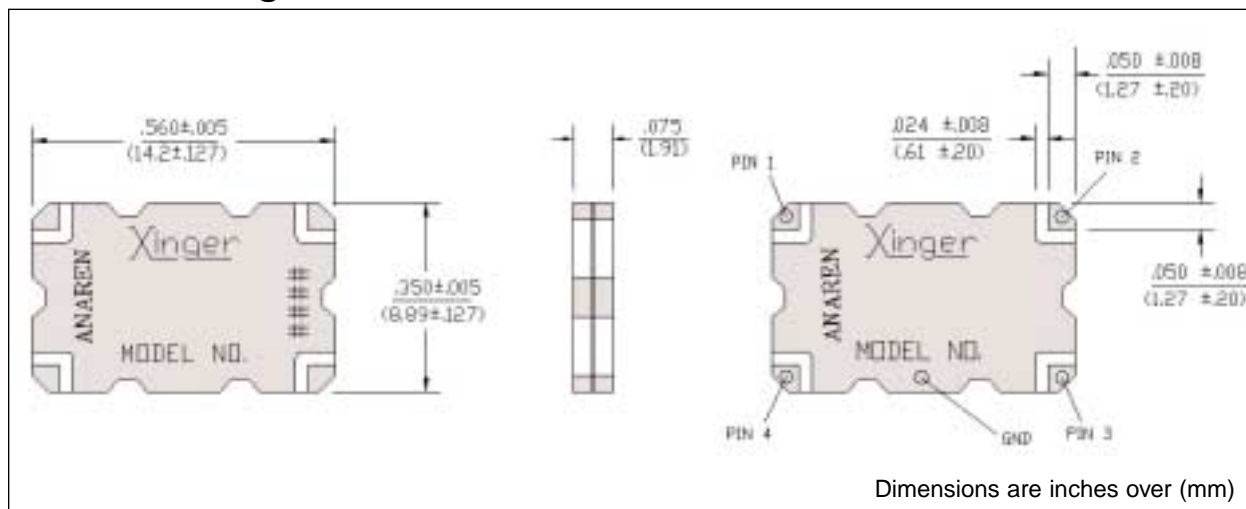
- 800 - 1000 MHz
- Low Loss
- High Directivity
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

Electrical Specifications

	Frequency GHz	Mean Coupling dB	Insert. Loss dB Max	VSWR Max : 1
Narrow	869 - 894	30.0 ± 2.5	0.25	1.20
Broad	800 - 1000			1.27
	Freq. Sensitivity dB Max	Directivity dB Min	Θ_{JC} (°C/diss. Watt)	Power Watts Ave/CW
Narrow	±0.10	18	9.6	150
Broad	±0.30			

Specifications subject to change without notice.

Outline Drawing



Available on Tape and Reel for Pick and Place Manufacturing.

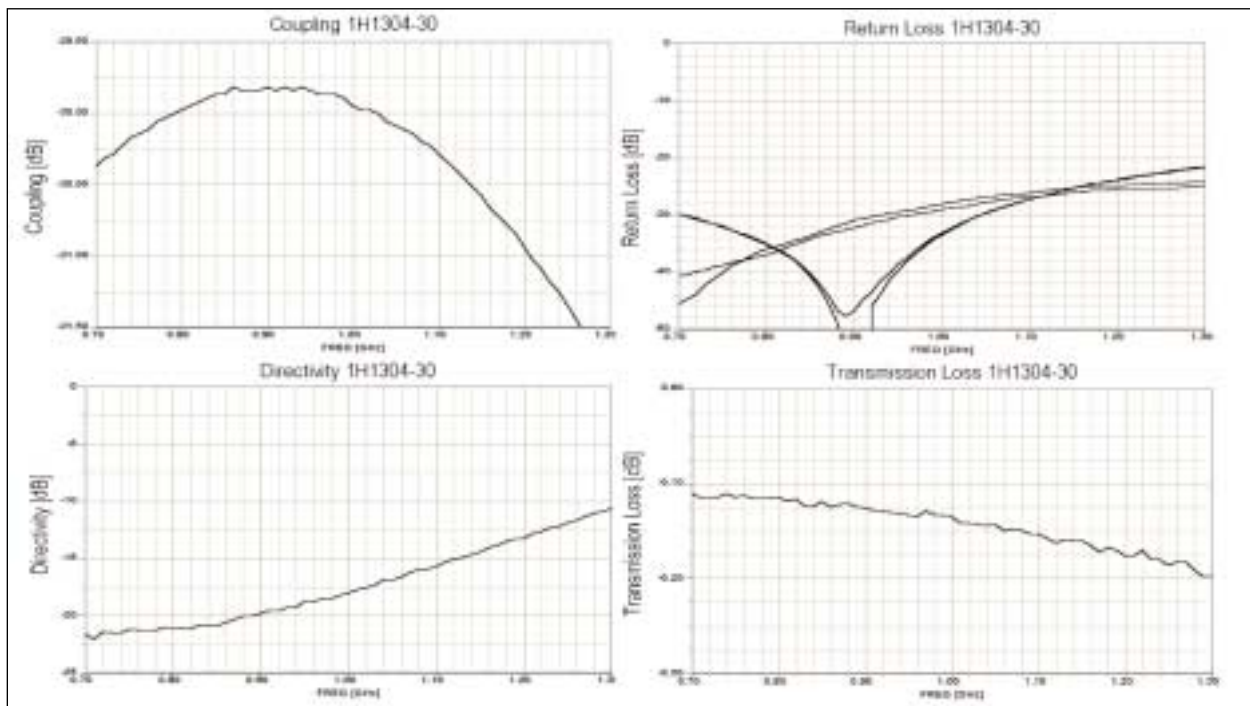
Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121
 Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

Model 1H1304-30

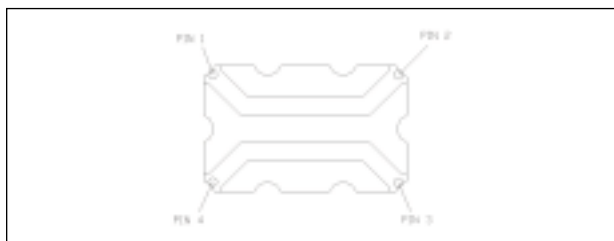
Anaren

Xinger®

Typical Performance



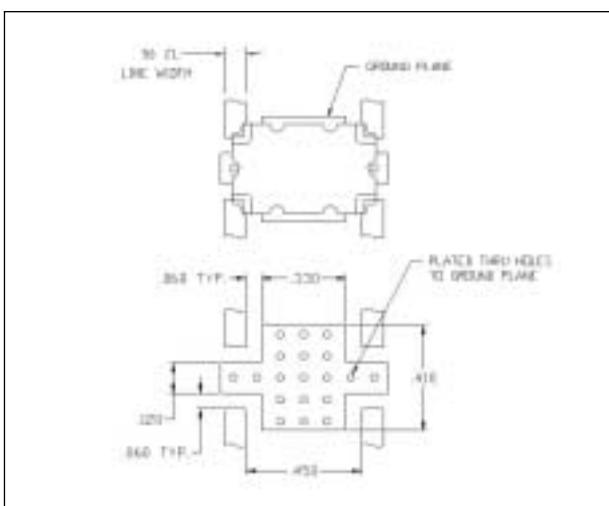
Pin Configuration



	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



Available on Tape and Reel for Pick and Place Manufacturing.

