



Hybrid Couplers

3 dB, 90°

Description

The 11305-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package for applications within the 1.0 - 2.0 GHz band. The 11305-3 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

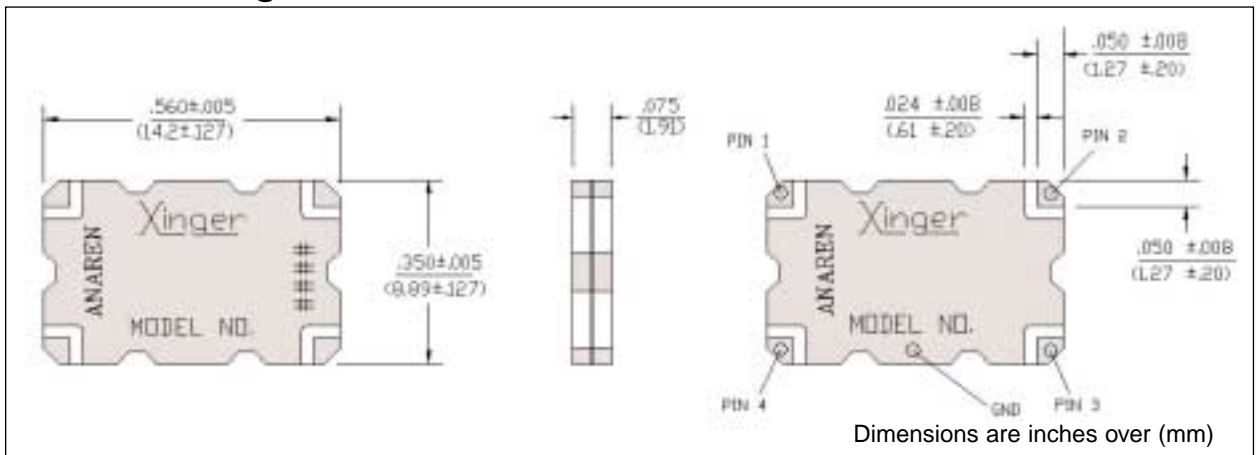
- 1.0 - 2.0 GHz
- Low Loss
- High Isolation
- 90° Quadrature
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

Electrical Specifications

Frequency GHz	Isolation dB Min	Insert. Loss dB Max	VSWR Max : 1
1.0 - 2.0	20	0.45	1.30
Amp. Bal. dB Max	Phase Bal. Degrees Max	Θ_{JC} (°C/diss. Watt)	Avg. Power CW [Watts]
±0.55	3	18.6	60

Specifications subject to change without notice.

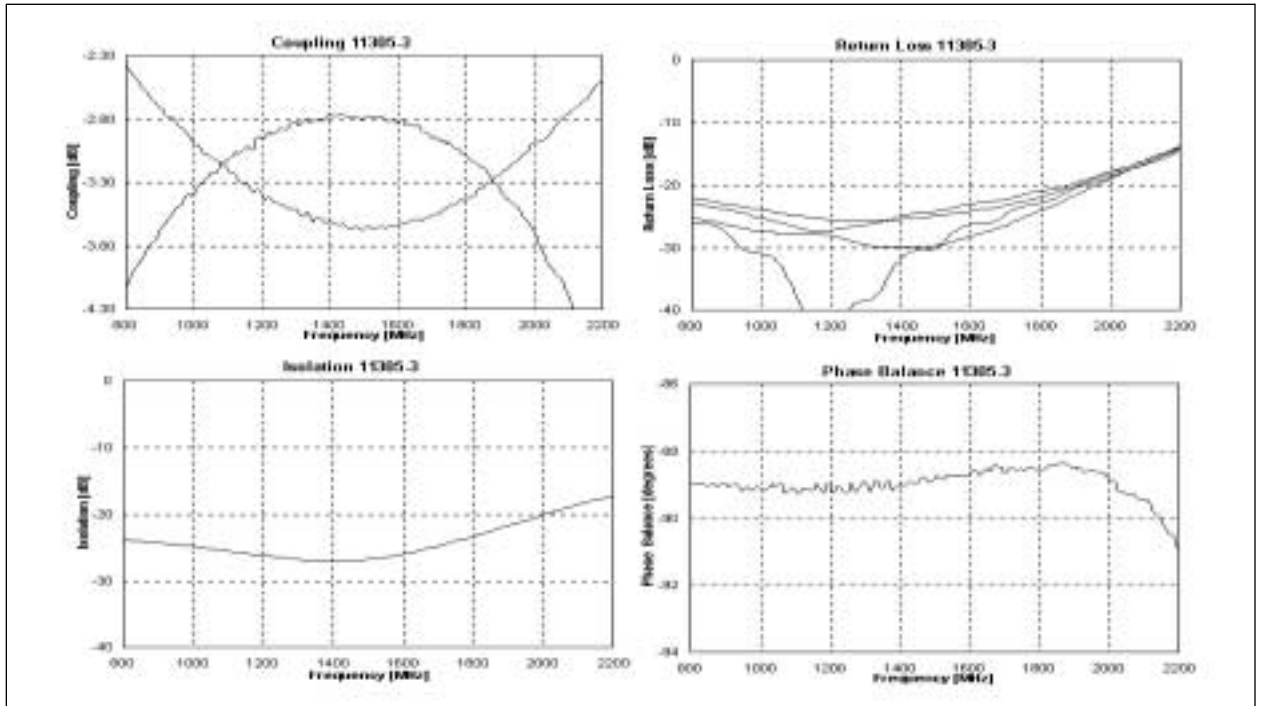
Outline Drawing



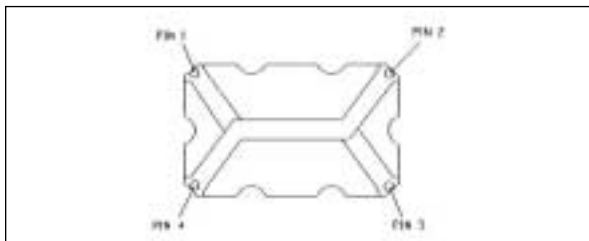
Available on Tape and Reel for Pick and Place Manufacturing.

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

Typical Performance

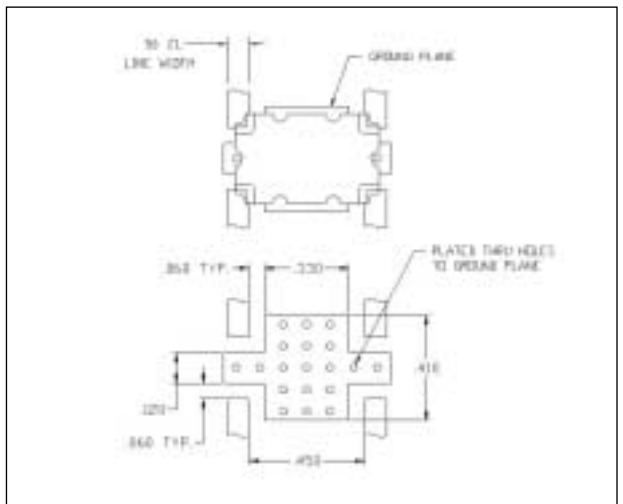


Pin Configuration



	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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