

# Xinger®

## Hybrid Couplers

3 dB, 90°

### Description

The 11302-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package for applications in the 225 - 400 MHz band. The 11302-3 is ideal for balanced amplifiers and signal distribution and is an ideal solution for the ever increasing demands for smaller printed circuit boards. 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

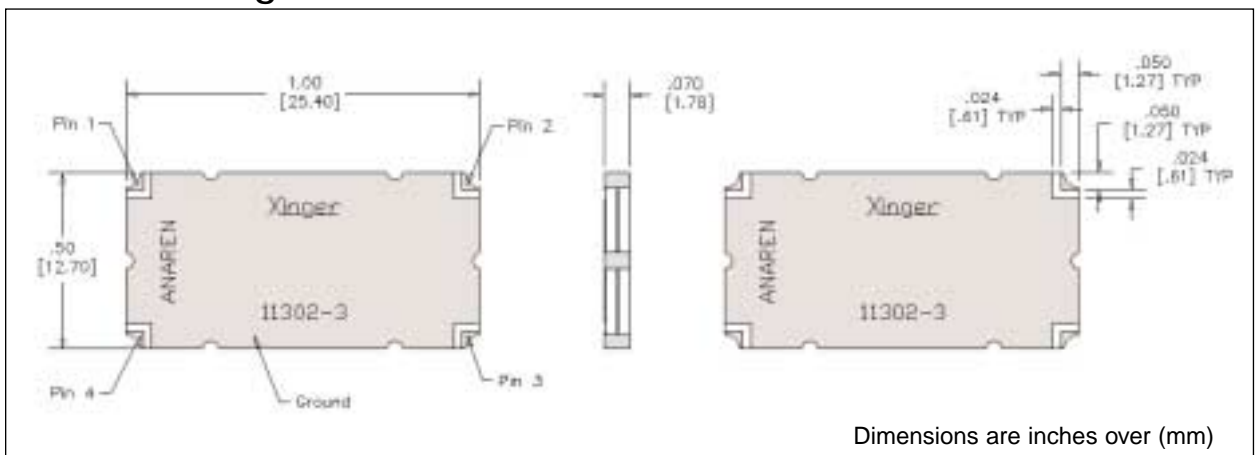
- 225 - 400 MHz
- Low Loss
- High Isolation
- 90° Quadrature
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

### Electrical Specifications

Frequency MHz	Isolation dB Min	Insert. Loss dB Max	VSWR Max : 1
225 - 400	15	0.55	1.40
Amp. Bal. dB Max	Phase Bal. Degrees Max	$\Theta_{JC}$ (°C/diss. Watt)	Avg. Power CW [Watts]
±0.50	4	5.9	100

Specifications subject to change without notice.

### Outline Drawing



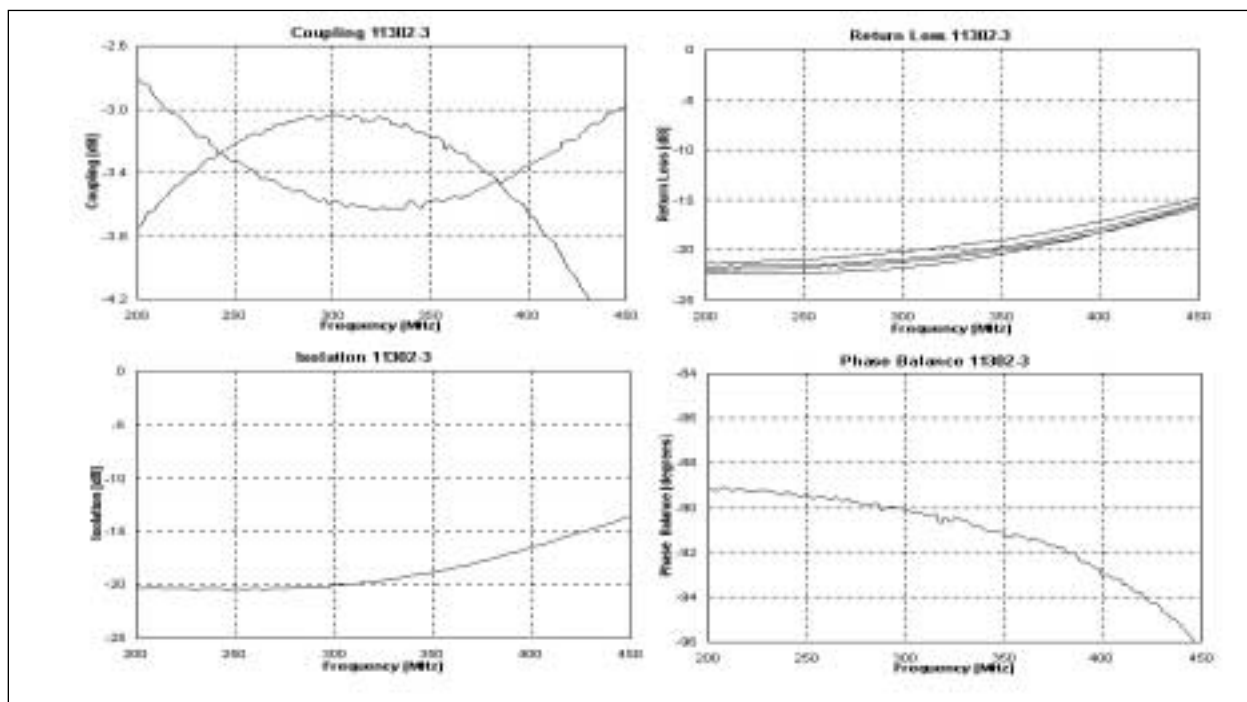
This Product is Not Available on Tape and Reel

Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121  
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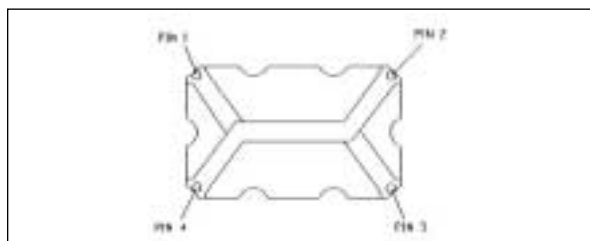
***www.anaren.com***

**Xinger®**

## Typical Performance

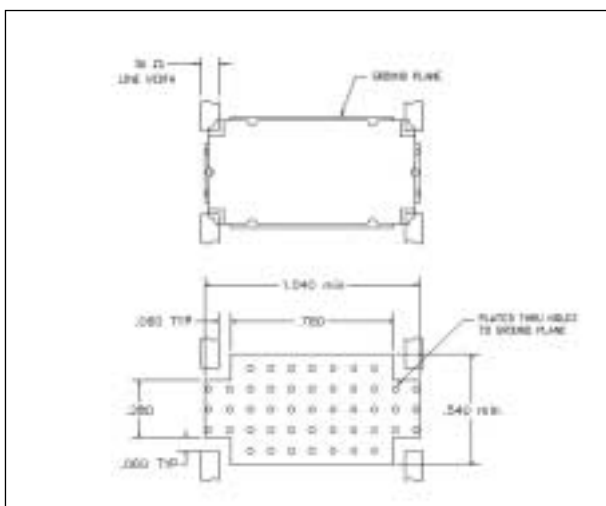


## Pin Configuration



	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



**This Product is Not Available on Tape and Reel**