







Description

The 1E1304-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package for AMPS, GSM, IDEN and EDGE applications. The 1E1304-3 is ideal for balanced amplifiers and signal distribution and is an ideal solution for the ever increasing demands of the wireless industry for smaller printed circuit boards. Parts have been subjected to rigorous qualification and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates.

Features:

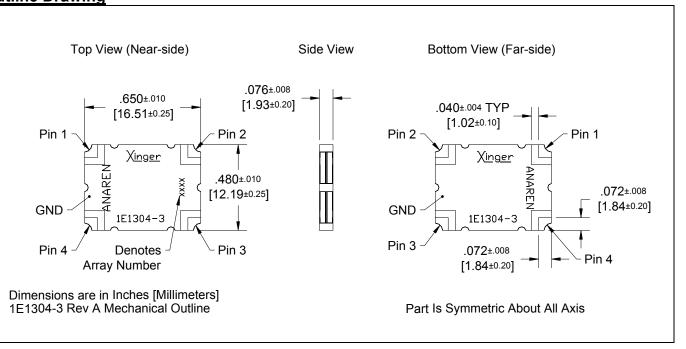
- 730 960 MHz
- Low loss
- · High Isolation
- 90° Quadrature
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

ELECTRICAL SPECIFICATIONS**

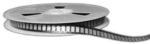
<u>LEEGTRIGAL OF LOTE TO ATTOMO</u>										
	Frequency	Isolation	Insertion Loss	VSWR						
	MHz	dB Min	dB Max	Max:1						
	730 - 960	22	.25	1.18						
	Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.					
	dB Max	Degrees	Ave. CW Watts	°C/ Watt	°C					
	± 0.20	± 3	150	10.4	-55 to +85					

^{**}Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Specifications subject to change without notice.

Outline Drawing





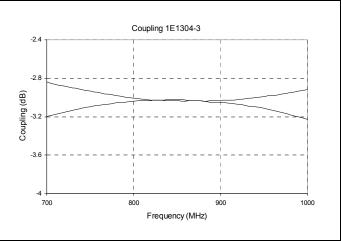


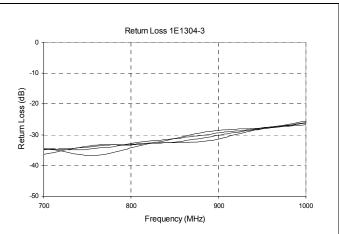
Available on Tape and Reel For Pick and Place Manufacturing.

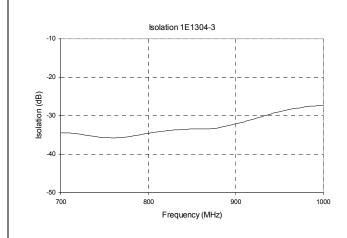
USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392

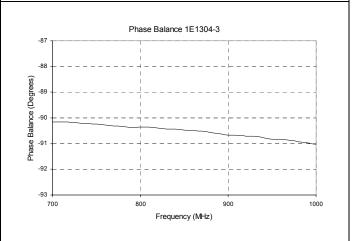


Typical Performance: 700 MHz. to 1000 MHz.



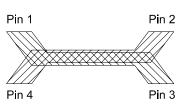




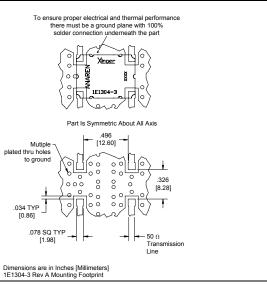


Mounting Footprint

Pin Configuration



Ну	Hybrid Coupler Pin Configruation					
	Pin 1	Pin 2	Pin 3	Pin 4		
Configuration #1	Input	Isolated	-3dB, -90°	-3dB, 0°		
Configuration #2	Isolated	Input	-3dB, 0°	-3dB, -90°		
Configuration #3	-3dB, -90°	-3dB, 0°	Input	Isolated		
Configuration #4	-3dB, 0°	-3dB, -90°	Isolated	Input		



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