



Hybrid Couplers 3 dB, 90°

+44 2392-232392

Europe:



Description

The 1A1305-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package covering the entire DCS and PCS bands. The 1A1305-3 is ideal for balanced amplifiers and signal distribution and can be used in most high power designs. Parts have been subjected to rigorous qualification testing and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates such as FR4, G-10 and polyamide.

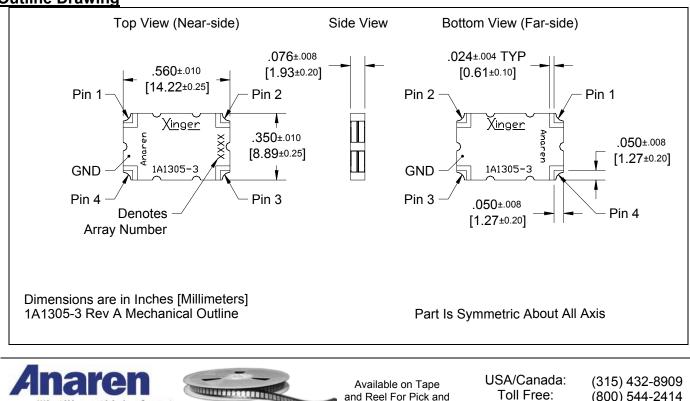
ELECTRICAL SPECIFICATIONS**

Features: • 1.5 – 2.2 GHz	Frequency	Isolation	Insertion Loss	VSWR		
Low Loss	MHz	dB Min	dB Max	Max:1		
High Isolation	1.7 – 2.0	23	0.23	1.18		
90° Quadrature	1.5 – 2.2	20	0.25	1.20		
Surface MountableTape And Reel	Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.	
Convenient Package100% Tested	dB Max	Degrees	Ave. CW Watts	°C/Watt	°C	
	± 0.30	± 3	100	14.6	-55 to +85	
	± 0.40	± 3	100	14.6	-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

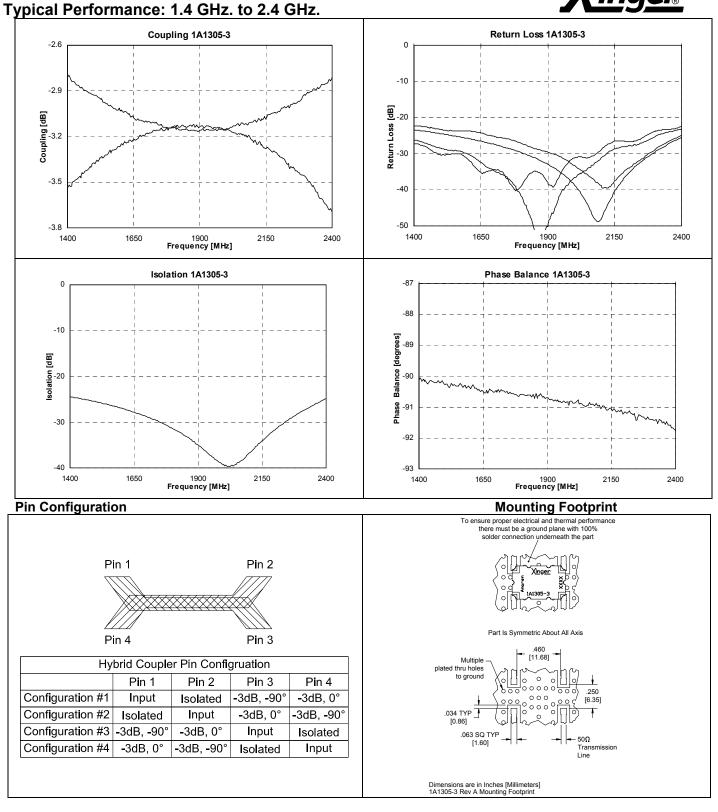
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