# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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### 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.

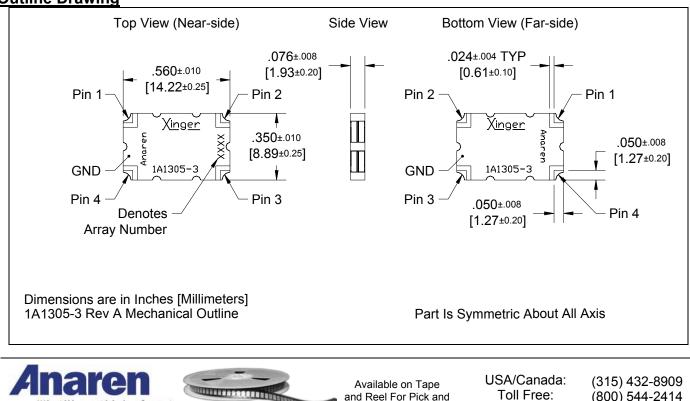
#### **ELECTRICAL SPECIFICATIONS\*\***

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	
<ul><li>Surface Mountable</li><li>Tape And Reel</li></ul>	Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.
Convenient Package	dB Max	Degrees	Ave. CW Watts	°C/Watt	°C
• 100% Tested	± 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  $\Omega$  nominal impedance. Specifications subject to change without notice.

#### **Outline Drawing**

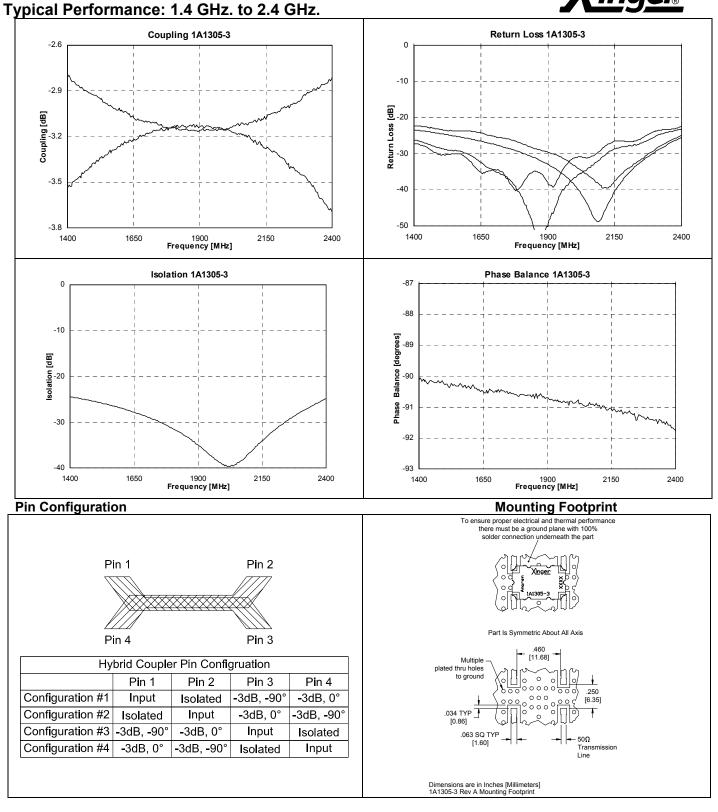
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