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Europe:



## **Description**

The 11306-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package covering 2.0 to 4.0 GHz. The 11306-3 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.

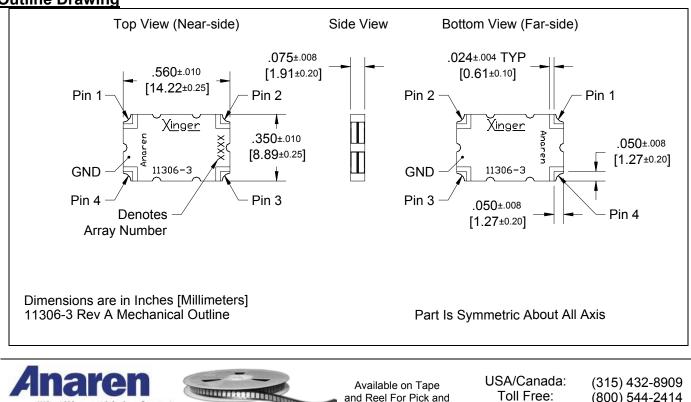
## **ELECTRICAL SPECIFICATIONS\*\***

<u>-eatures:</u> ● 2.0 – 4.0 GHz	Frequency	Isolation	Insertion Loss	VSWR	
Low loss	GHz	dB Min	dB Max	Max:1	
<ul> <li>High Isolation</li> <li>90<sup>0</sup> Quadrature</li> </ul>	2.0 - 4.0	20	0.35	1.30	
Surface Mountable Tape And Reel	Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.
Convenient Package	dB Max	Degrees	Ave. CW Watts	°C/ Watt	°C
• 100% Tested	± 0.55	± 5	60	24.6	-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**

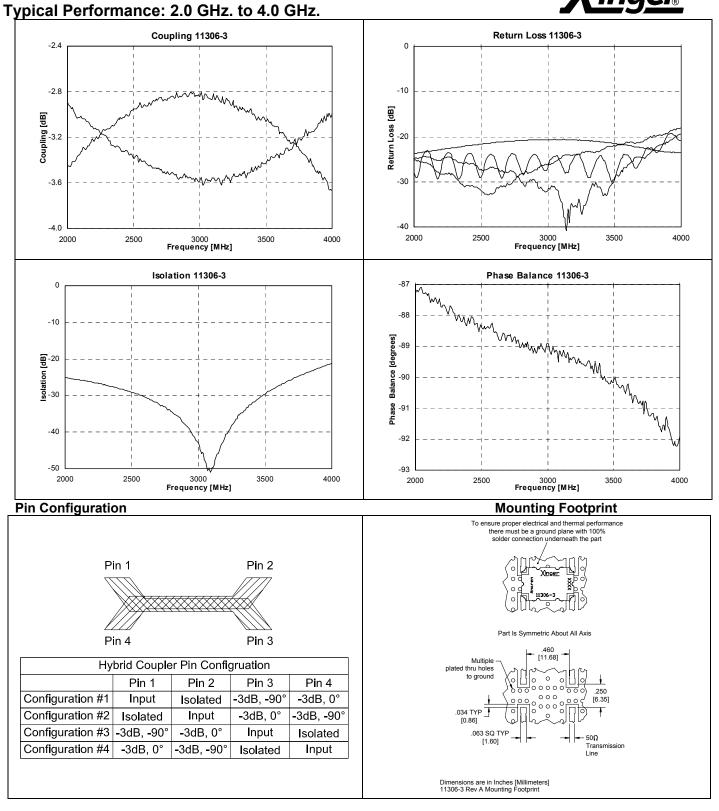
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