

Directional Couplers 20 dB



Description

The 1A1305-20 is a low profile 20dB directional coupler in an easy to use surface mount package covering the DCS and PCS bands. The 1A1305-20 is ideal for power and frequency detection as well as VSWR monitoring and can be used in most high power designs. Parts have been subject to rigorous gualification 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.

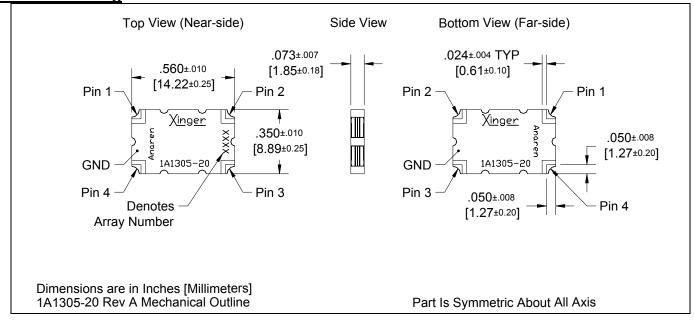
ELECTRICAL SPECIFICATIONS**

<u>atures:</u> 1.5 - 2.2 GHz	Frequency	Mean Coupling	Insertion Loss	VSWR	Freq. Sensitivity
Low loss	GHz	dB	dB Max	Max:1	dB Max
High Directivity	1.7 – 2.0	20.0 ± 1.5	0.25	1.20	±0.20
Surface Mountable	1.5 - 2.2	20.0 ± 1.5	0.25	1.20	±0.30
Tape And Reel Convenient Package	Directivity	Power Handling	ΘJC	Operating Temp.	
100% Tested	dB Min	Watts	°C / Watt	°C	
	20	100	14.8	-55 to +85	
	20	100	14.8	-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

Features:





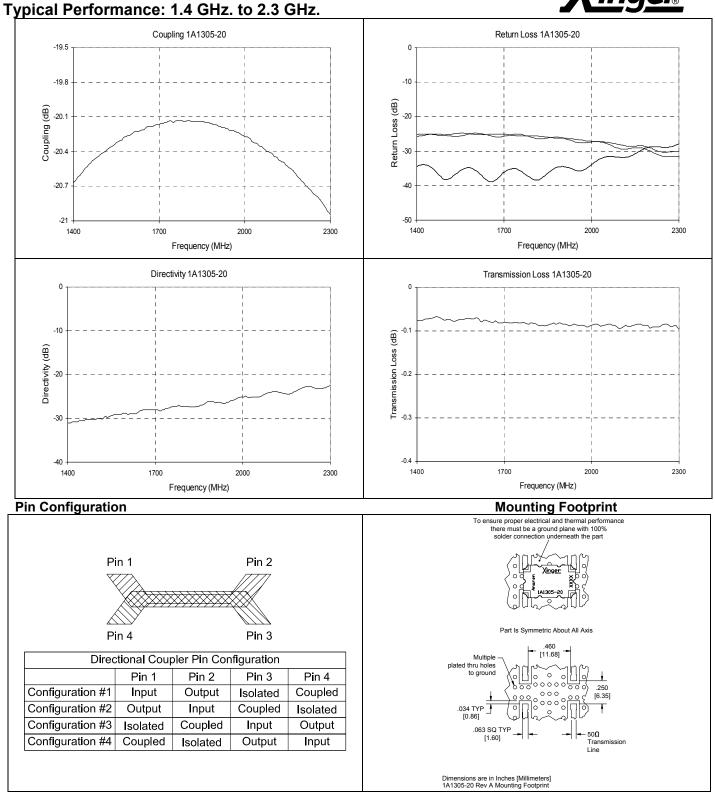


Available on Tape and Reel For Pick and Place Manufacturing.

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