



Directional Couplers 10 dB



Description:

The 11305-10 is a low profile 10dB directional coupler in an easy to use surface mount package covering 1.0 to 2.0 GHz. The 11305-10 is ideal for power and frequency detection as well as power injection 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.

Detailed Electrical Specifications:

Mean Frequency **Insertion Loss VSWR** Coupling GHz dB dB Max Max : 1 10.0 ± 0.8 0.35 1.0 - 2.01.22 **Power** Operating Freq. **Directivity** Sensitivity Handling Temp. Avg. CW Watts °C dB Max dB Min @85°C 18 -55 to +150 ± 0.80 60

Outline Drawing:

Features:

1.0 - 2.0 GHz

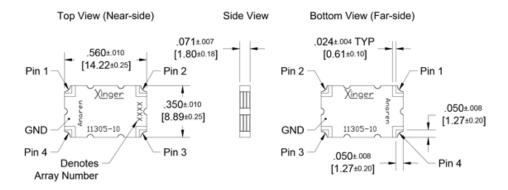
High Directivity*
Surface Mountable

Tape And Reel

100% Tested

Convenient Package

Low Loss



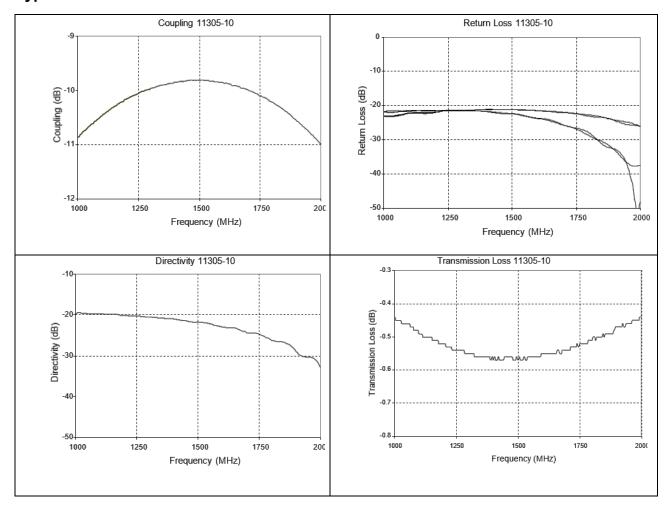
Dimensions are in Inches [Millimeters] 11305-10 Rev A Mechanical Outline

Part Is Symmetric About All Axis

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



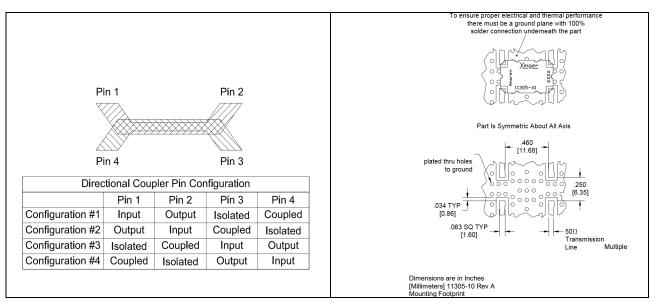
Typical Performance: 1.0 GHz. to 2.0 GHz.





Pin Configuration

Mounting Footprint



Contact us:

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