

Hybrid Couplers 3 dB, 90°



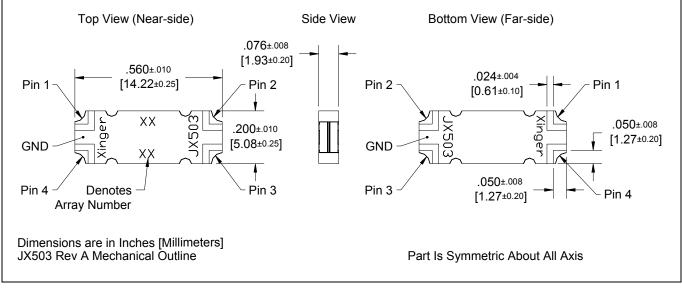
Description

The JX503 is a low profile, miniature 3dB hybrid coupler in an easy to use surface mount package designed for W-CDMA, UMTS and other 3G applications. The JX503 is designed for balanced amplifiers and signal distribution and is an ideal solution for the ever increasing demands of the wireless industry for smaller printed circuit boards. 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**

	VSWR	Insertion Loss	Isolation	Frequency
	Max:1	dB Max	dB Min	GHz
	1.17	0.20	23	2.0 – 2.3
Operating Temp.	ΘJC	Power	Phase Balance	Amplitude Balance
°C	°C/Watt	Ave. CW Watts	Degrees	dB Max
-55 to +85	28.8	60	± 2	± 0.20

**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:

2.0 - 2.3 GHz Very Low Loss **High Isolation** 90° Quadrature **Surface Mountable** Tape And Reel **Miniature Package** 100% Tested

What'll we think of next

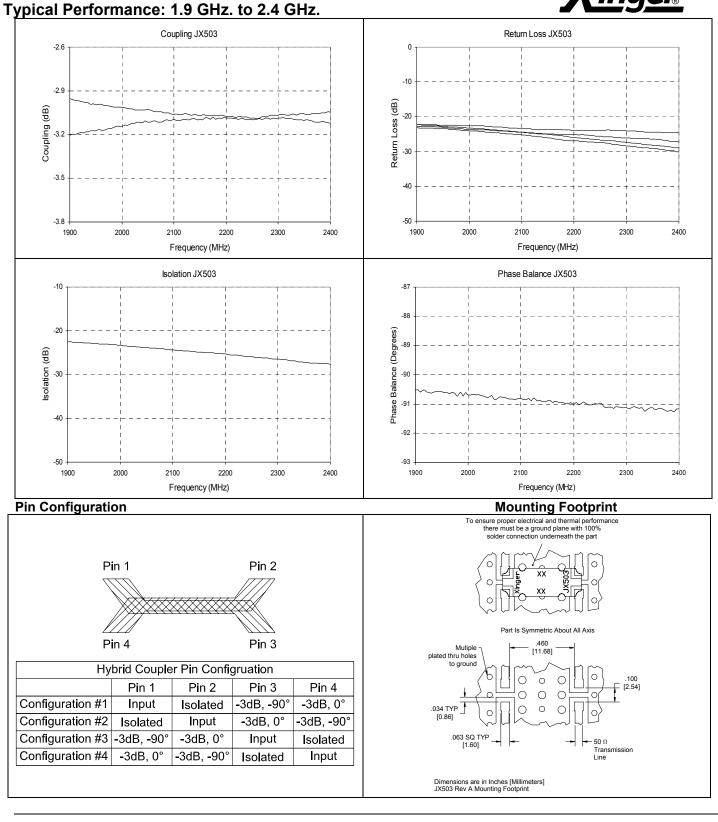


Available on Tape and Reel For Pick and Place Manufacturing.

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