

Xinger®

Power Dividers In-Phase, 3-Way

Description

The 4J3305 is a low profile 3 way Wilkinson power divider in an easy to use surface mount package designed for UMTS and other 3G applications. The 4J3305 is ideal for low power, in phase divider/combiner applications. 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.



Features:

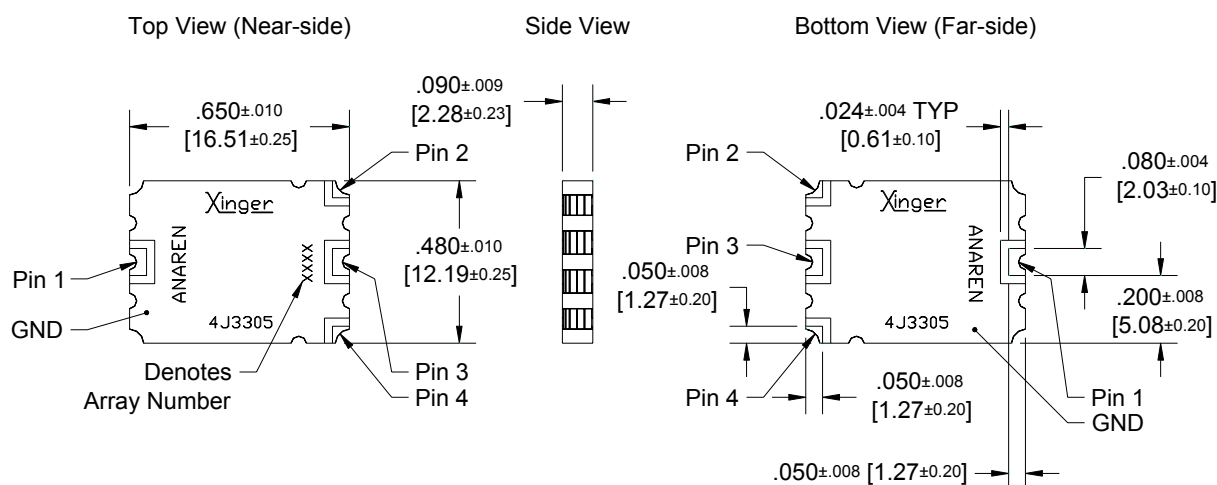
- 2.0 – 2.3GHz
- 3-Way Split
- Low loss
- High Isolation
- In Phase
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

ELECTRICAL SPECIFICATIONS**

Frequency	Isolation	Insertion Loss	Amplitude Balance
GHz	dB Min	dB Max	dB Max
2.0 – 2.3	16	0.30	±0.30
VSWR Input	VSWR Output	Phase Balance	Operating Temp.
Max:1	Max:1	Degrees	°C
1.50	1.60	± 3	-55 to +85

**Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Maximum input power: 5 Watts average CW when terminated into a 1.2:1 maximum VSWR. Specifications subject to change without notice.

Outline Drawing



Dimensions are in Inches [Millimeters]
4J3305 Rev A Mechanical Outline

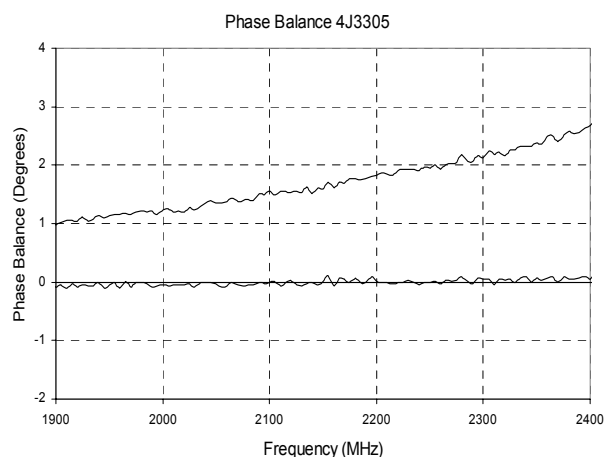
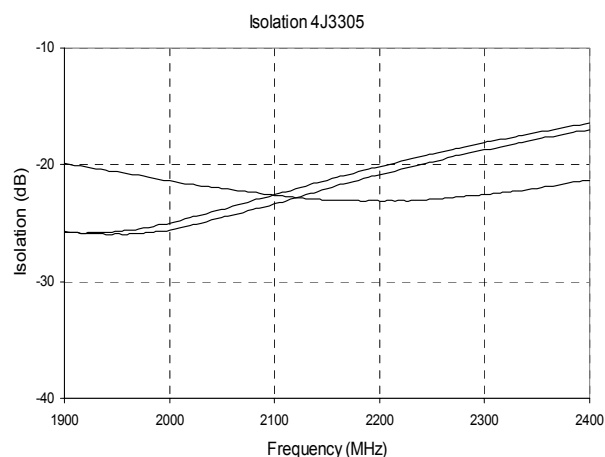
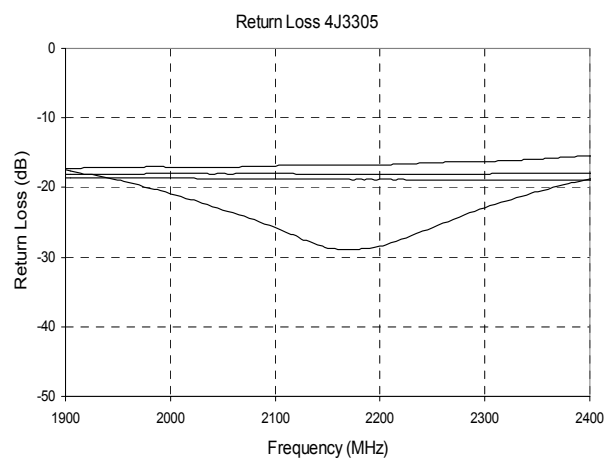


Insertion Loss 4J3305

Insertion Loss (dB)

Frequency (MHz)

Frequency (MHz)	Top Line (dB)	Middle Line (dB)	Bottom Line (dB)
1900	-4.90	-4.95	-4.95
2000	-4.85	-4.90	-4.90
2100	-4.80	-4.90	-4.95
2200	-4.80	-4.90	-5.00
2300	-4.80	-4.90	-5.05
2400	-4.80	-4.90	-5.15



The diagram shows a rectangular block representing a divider. Inside the block, the text 'n-WAY' is at the top, 'POWER' is in the middle, and 'DIVIDER' is at the bottom. On the left side, there is a single input pin labeled 'INPUT PIN 1'. On the right side, there are multiple output pins, with the top one labeled 'OUTPUT PIN 2' and the bottom one labeled 'OUTPUT PIN - n'. Three vertical dots between the output labels indicate that there are more than two output pins.

[illegible]

Available on Tape and
Reel For Pick and Place
Manufacturing.

