

Xinger®

Power Dividers In-Phase, 3-Way

Description

The 4A3305 is a low profile 3 way Wilkinson power divider in an easy to use surface mount package designed for DCS and PCS applications. The 4A3305 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:

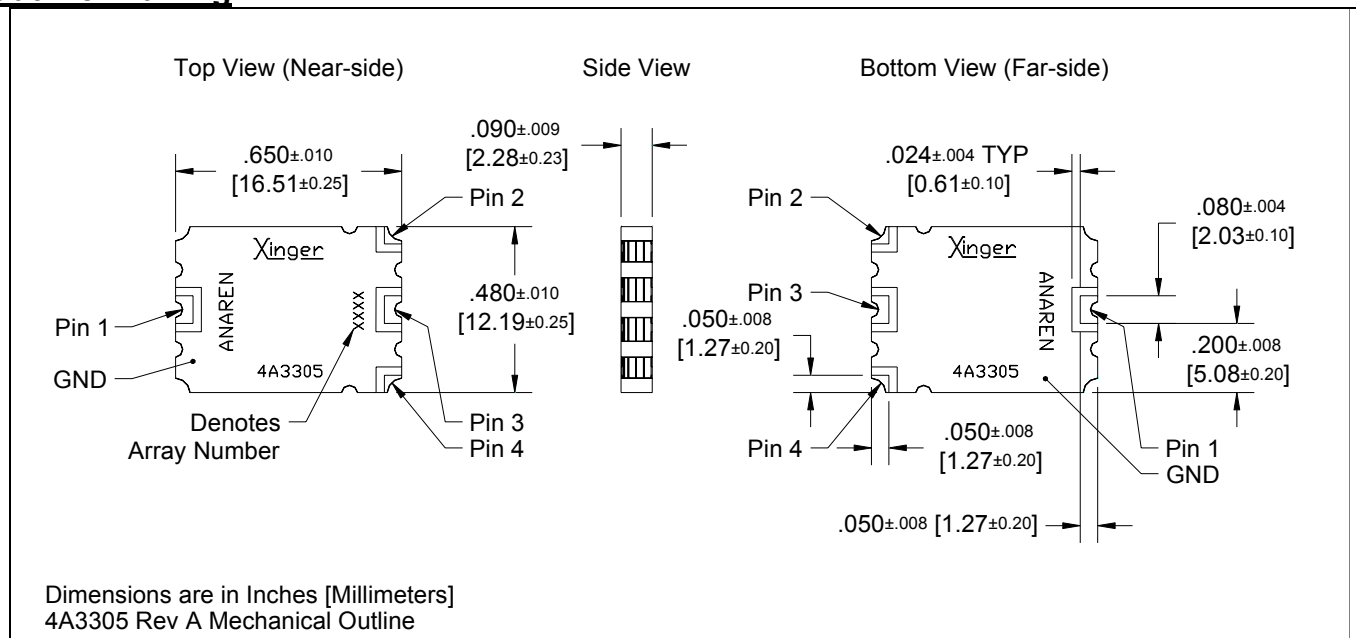
- 1.7 - 2.0 GHz
- 3-Way Split
- Low loss
- High Isolation
- In Phase
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

ELECTRICAL SPECIFICATIONS**

Frequency	Isolation	Insertion Loss	Amplitude Balance
GHz	dB Min	dB Max	dB Max
1.7 – 2.0	16	0.30	±0.30
VSWR Input	VSWR Output	Phase Balance	Operating Temp.
Max:1	Max:1	Degrees	°C
1.35	1.50	± 3	-55 to +85

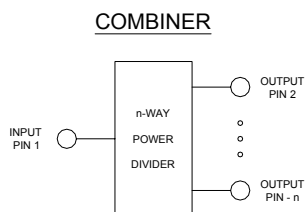
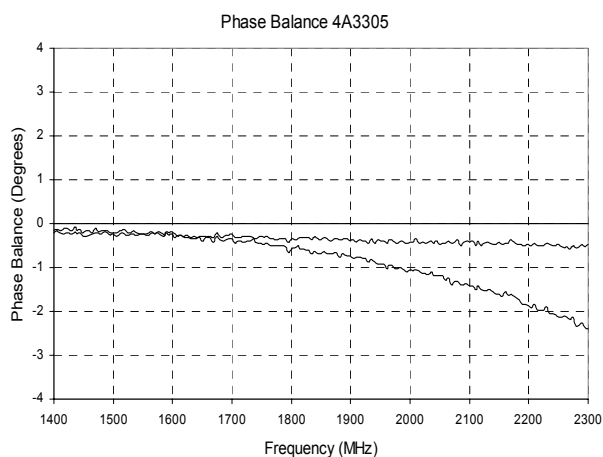
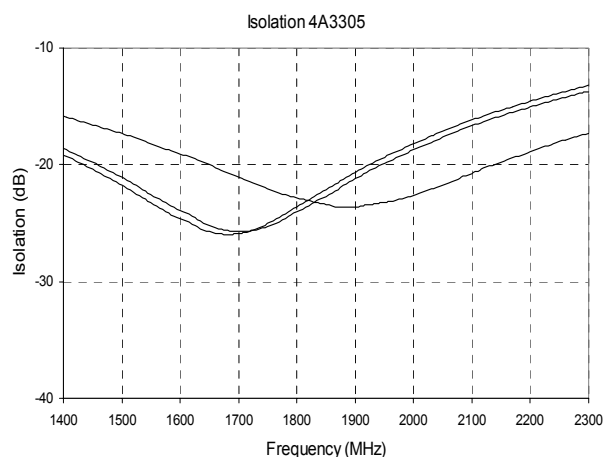
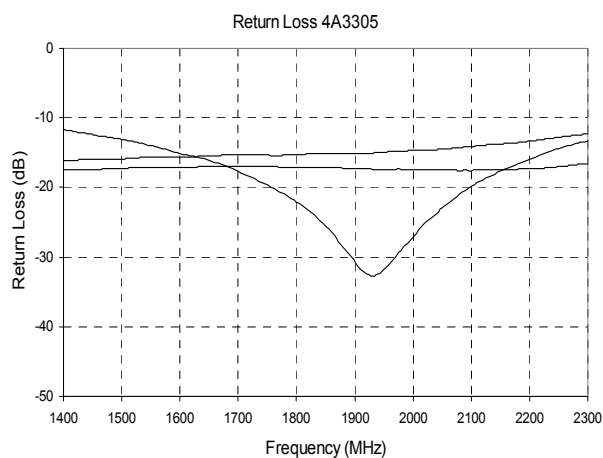
**Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Maximum input power: 5 Watts average CW when terminated into a 1.2:1 maximum VSWR. Specifications subject to change without notice.

Outline Drawing

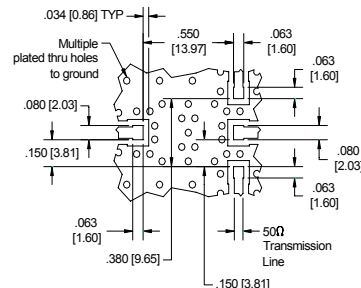
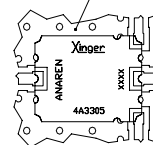


Insertion Loss 4A3305

Frequency (MHz)	Top Curve (dB)	Middle Curve (dB)	Bottom Curve (dB)
1400	-10.0	-10.0	-10.5
1500	-9.5	-9.5	-10.0
1600	-9.0	-9.0	-9.5
1700	-8.8	-8.8	-9.3
1800	-8.5	-9.0	-9.4
1900	-8.5	-9.0	-9.5
2000	-8.5	-9.0	-9.6
2100	-8.8	-9.2	-9.8
2200	-9.0	-9.4	-10.2
2300	-9.2	-9.6	-10.5



To ensure proper electrical and thermal performance there must be a ground plane with 100% solder connection underneath the part



Dimensions are in Inches [Millimeters]
4A3305 Rev A Mounting Footprint

Available on Tape and
Reel For Pick and Place
Manufacturing.



Anaren
What'll we think of next?