



### 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:

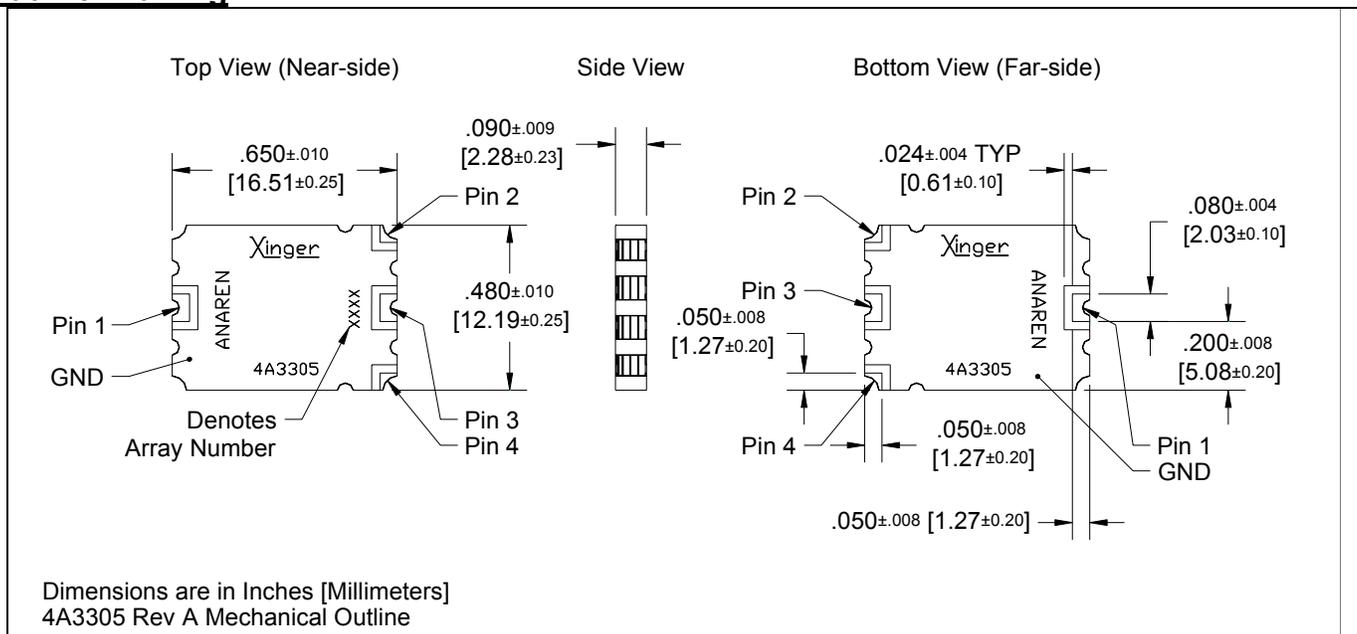
- 1.7 - 2.0 GHz
- 3-Way Split
- Low loss
- High Isolation
- In Phase
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

#### ELECTRICAL SPECIFICATIONS\*\*

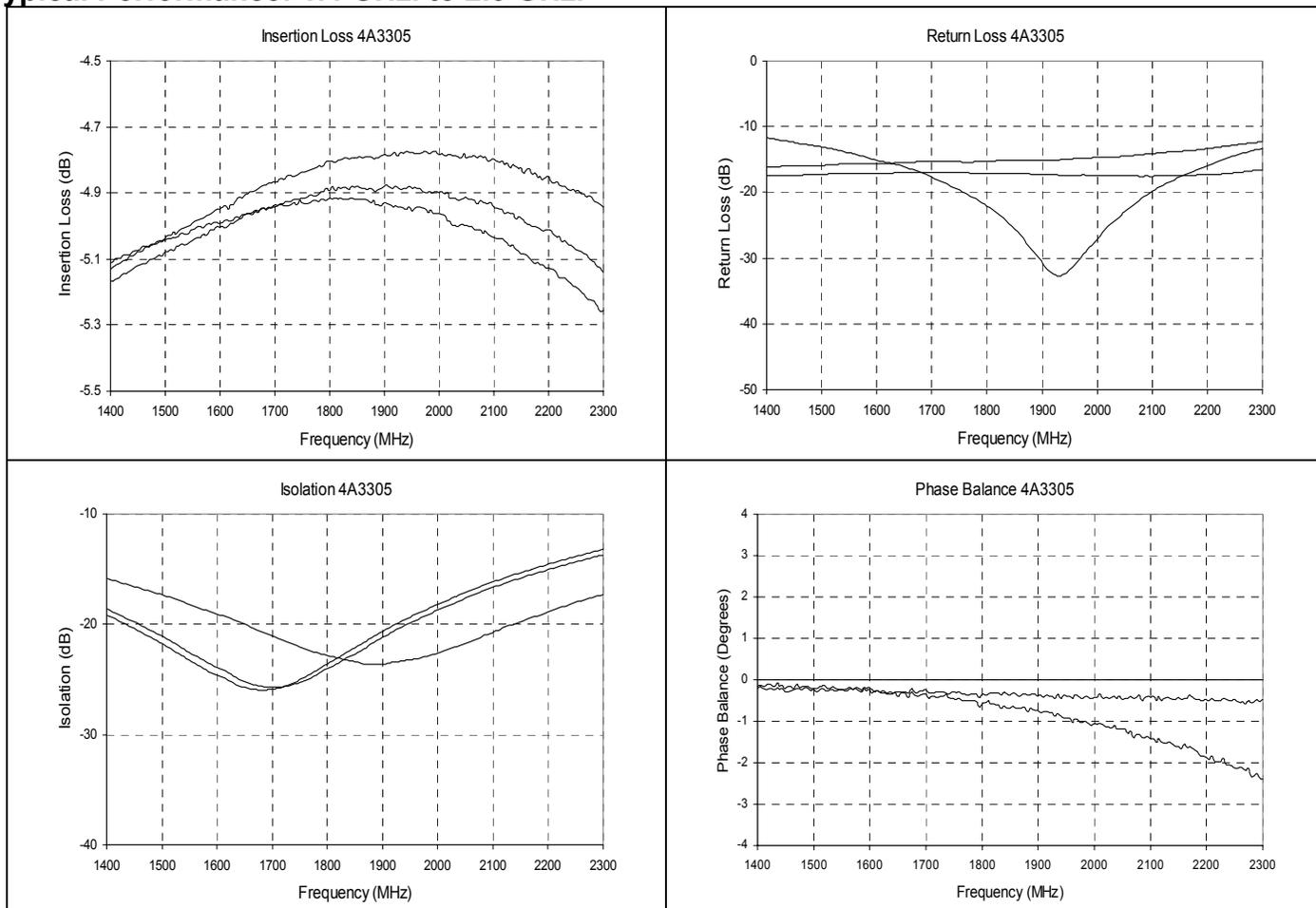
Frequency	Isolation	Insertion Loss	Amplitude Balance
GHz	dB Min	dB Max	dB Max
1.7 – 2.0	16	0.30	±0.30
VSWR Input	VSWR Output	Phase Balance	Operating Temp.
Max:1	Max:1	Degrees	°C
1.35	1.50	± 3	-55 to +85

\*\*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

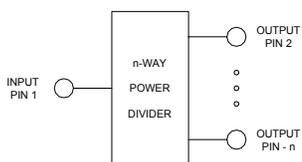


### Typical Performance: 1.4 GHz. to 2.3 GHz.

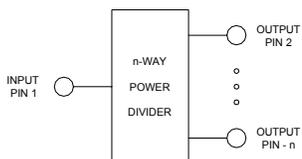


### Pin Configuration

#### DIVIDER

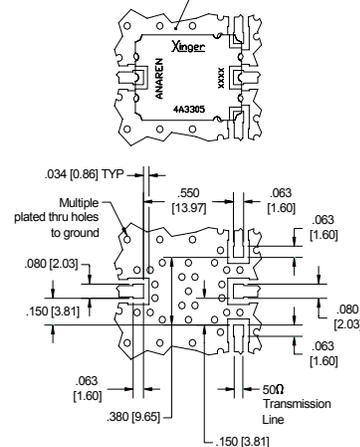


#### COMBINER



### Mounting Footprint

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

USA/Canada: (315) 432-8909  
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Available on Tape and Reel For Pick and Place Manufacturing.

