

# 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:

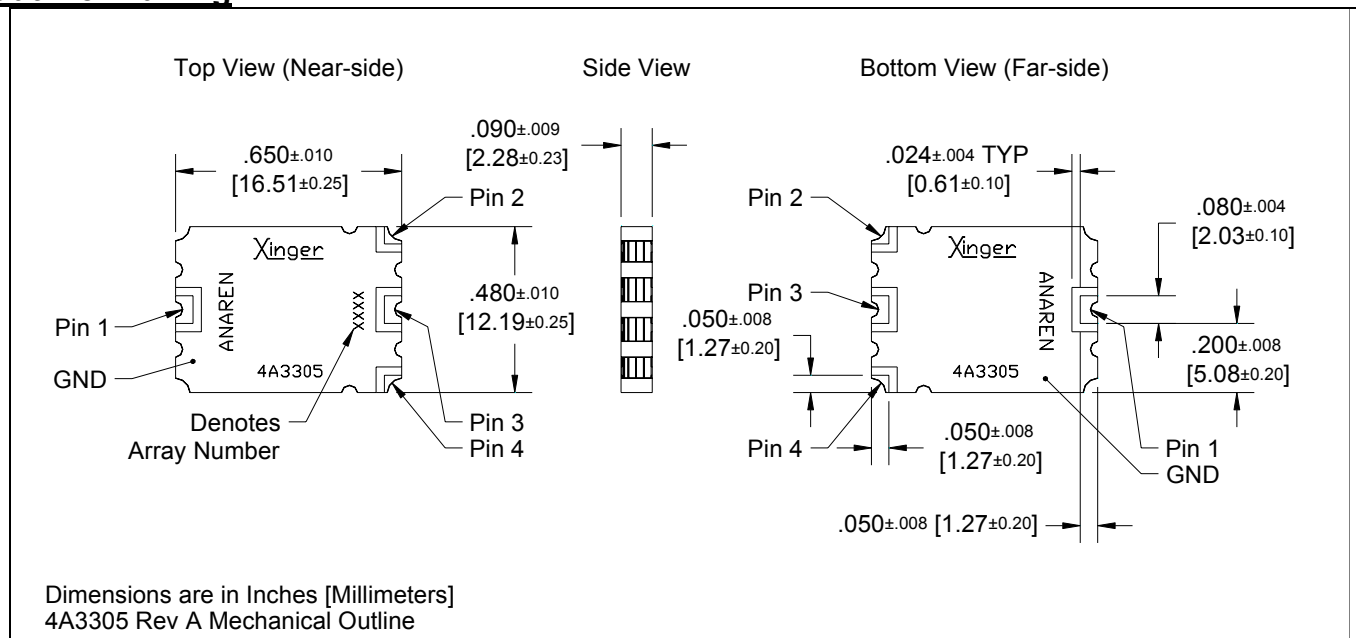
- 1.7 - 2.0 GHz
- 3-Way Split
- Low loss
- High Isolation
- In Phase
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

### ELECTRICAL SPECIFICATIONS\*\*

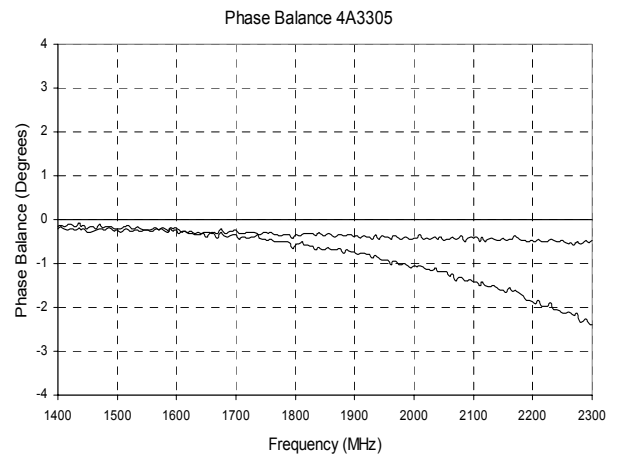
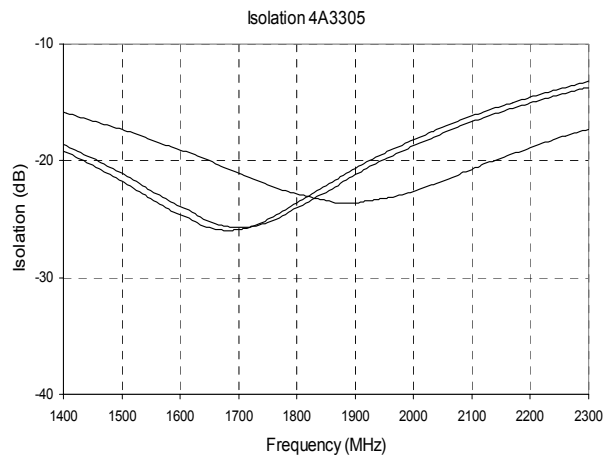
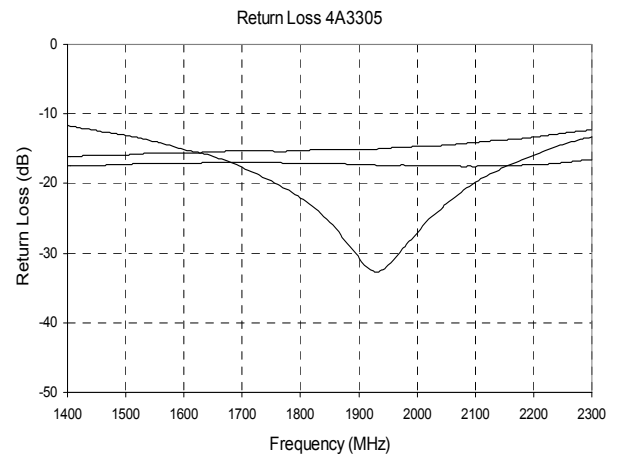
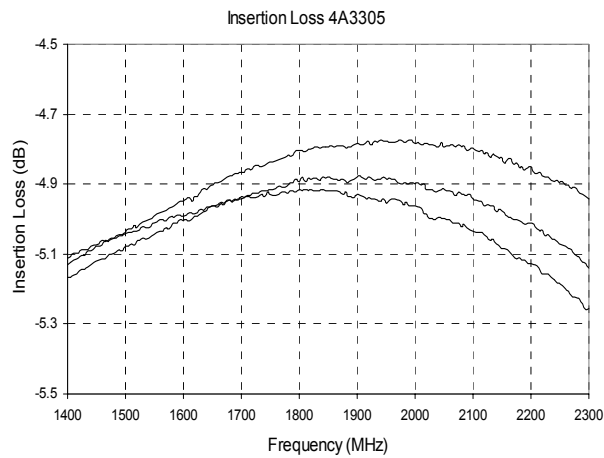
| Frequency  | Isolation   | Insertion Loss | Amplitude Balance |
|------------|-------------|----------------|-------------------|
| GHz        | dB Min      | dB Max         | dB Max            |
| 1.7 – 2.0  | 16          | 0.30           | ±0.30             |
| VSWR Input | VSWR Output | Phase Balance  | 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  $\Omega$  nominal impedance. Maximum input power: 5 Watts average CW when terminated into a 1.2:1 maximum VSWR. Specifications subject to change without notice.

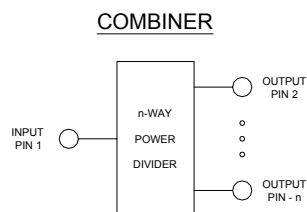
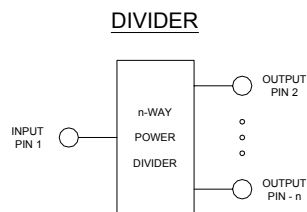
### Outline Drawing



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

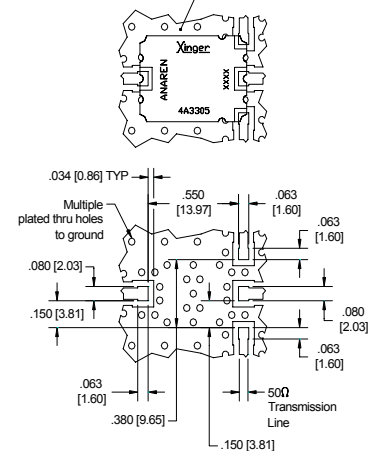


### Pin Configuration



### 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  
Toll Free: (800) 544-2414  
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Available on Tape and Reel For Pick and Place Manufacturing.



**Anaren**  
What'll we think of next?