#### **Excellent Integrated System Limited**

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

<u>Anaren</u> <u>11304-3S</u>

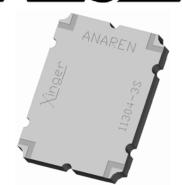
For any questions, you can email us directly: <a href="mailto:sales@integrated-circuit.com">sales@integrated-circuit.com</a>



Model 11304-3S

## Xinger<sub>®</sub>

### Hybrid Couplers 3 dB, 90°



#### **Description**

The 11304-3S is a low profile 3dB hybrid coupler in an easy to use surface mount package covering 500 to 1000 MHz. The 11304-3S is ideal for balanced amplifiers and signal distribution and can be used in most high power designs. 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 polyimide.

#### Features:

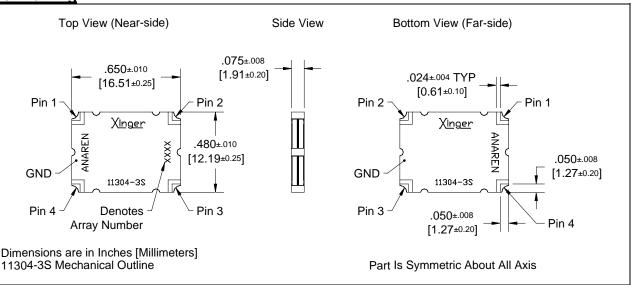
- 500 1000 MHz
- Low loss
- High Isolation
- 90<sup>O</sup> Quadrature
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested
- Lead Free

#### **ELECTRICAL SPECIFICATIONS\*\***

<u>ELECTRICAL OF ECHITOATIONS</u>								
Frequency	Isolation	Insertion Loss	VSWR					
MHz	dB Min	dB Max	Max:1					
500 – 1000	20	0.35	1.25					
Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.				
dB Max	Degrees	Ave. CW Watts	°C/ Watt	°C				
± 0.55	± 3	100	8.6	-55 to +85				

<sup>\*\*</sup>Specification based on performance of unit properly installed on microstrip printed circuit boards with 50  $\Omega$  nominal impedance. Specifications subject to change without notice.

#### **Outline Drawing**







Available on Tape and Reel For Pick and Place Manufacturing.

USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392



#### **Distributor of Anaren: Excellent Integrated System Limited**

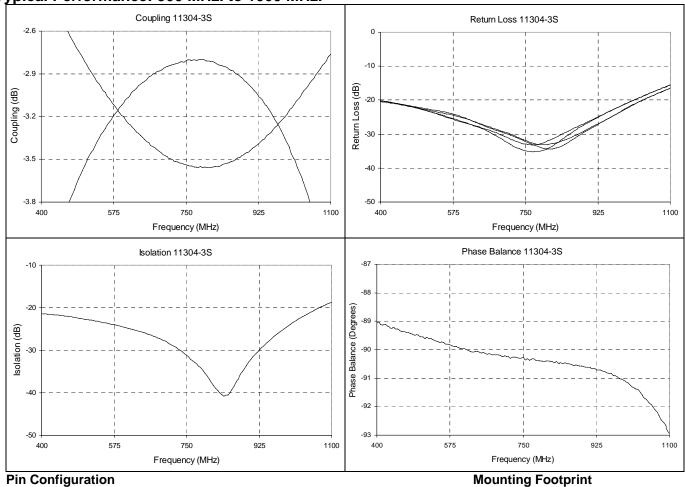
Datasheet of 11304-3S - COUPLER HYBRID 500-1000MHZ

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

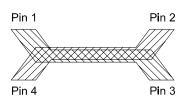
#### Model 11304-3S



Typical Performance: 500 MHz. to 1000 MHz.



#### Pin Configuration



Hybrid Coupler Pin Configruation						
	Pin 1	Pin 2	Pin 3	Pin 4		
Configuration #1	Input	Isolated	-3dB, -90°	-3dB, 0°		
Configuration #2	Isolated	Input	-3dB, 0°	-3dB, -90°		
Configuration #3	-3dB, -90°	-3dB, 0°	Input	Isolated		
Configuration #4	-3dB, 0°	-3dB, -90°	Isolated	Input		

# Dimensions are in Inches [Millime 11304-3S Mounting Footprint

USA/Canada: Toll Free: Europe:

(315) 432-8909 (800) 544-2414 +44 2392-232392

Available on Tape and Reel For Pick and Place Manufacturing.

