

Xinger III

Hybrid Coupler 3 dB, 90°



Description:

The 1F1304-3S is a low profile 3dB hybrid coupler in an easy to use surface mount package covering 470 to 860 MHz. The 1F1304-3S 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. Available in both 5 of 6 tin lead (1F1304-3) and 6 of 6 tin immersion (1F1304-3S) RoHS compliant finishes

Features:

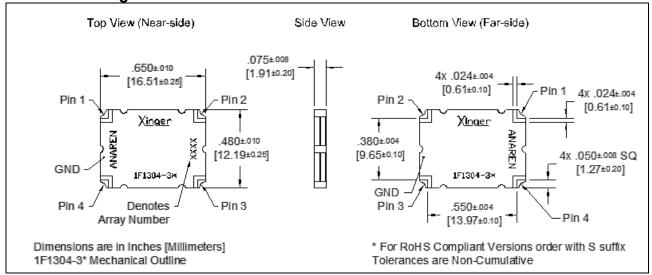
- 470 860 MHz
- Low loss
- High Isolation
- 90° Quadrature
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested
- Lead Free Available

Detailed Electrical Specifications:

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Isolation	Insertion Loss	VSWR	
dB Min	dB Max	Max:1	
21	0.40	1.25	
Phase Balance	Power	ΘJC	Operating Temp.
Degrees	Ave. CW Watts	°C/ Watt	°C .
± 3	100	8.6	-55 to +85
	Isolation dB Min 21 Phase Balance Degrees	Isolation Loss dB Min D.40 Phase Balance Degrees Ave. CW Watts	Isolation Loss dB Min dB Max Max:1 21 0.40 1.25 Phase Balance Degrees Ave. CW Watts C/ Watt

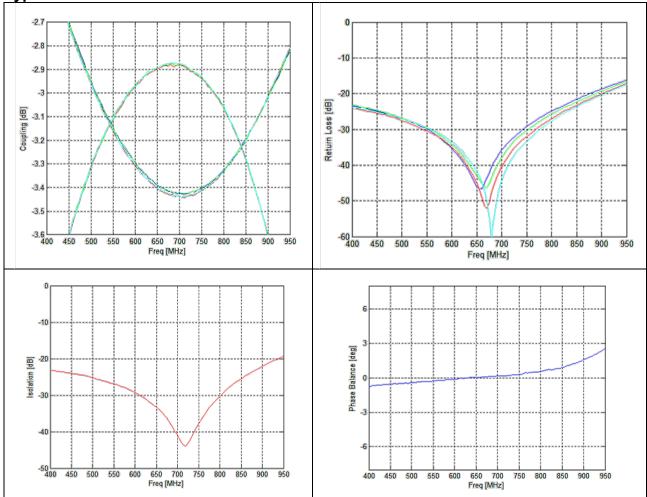
^{**}Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Specifications subject to change without notice

Outline Drawing:





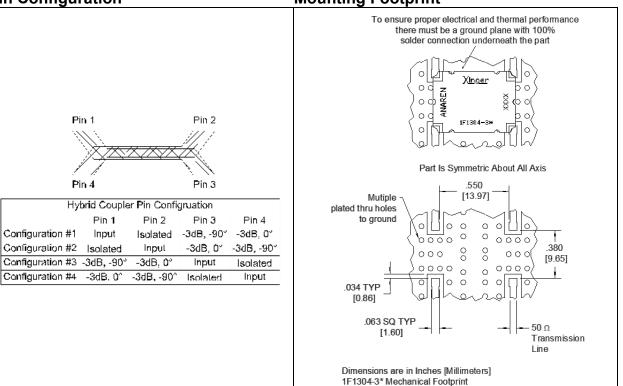








Mounting Footprint



Contact us:

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