

Hybrid Couplers 3 dB, 90°



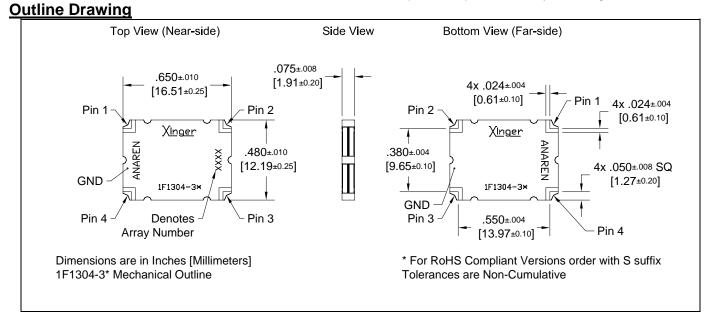
Description

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.

ELECTRICAL SPECIFICATIONS**

Features: • 470 - 860 MHz	Frequency	Isolation	Insertion Loss	VSWR	
Low loss	MHz	dB Min	dB Max	Max:1	
High Isolation	470 - 860	21	0.40	1.25	
 90⁰ Quadrature 		21	0.10	1.20	
Surface Mountable	Amplitude	Phase	Power	ΘJC	Operating
 Tape And Reel 	Balance	Balance		000	Temp.
Convenient Package	dB Max	Degrees	Ave. CW Watts	°C/ Watt	°C
100% TestedLead Free Available	± 0.50	± 3	100	8.6	-55 to +85

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





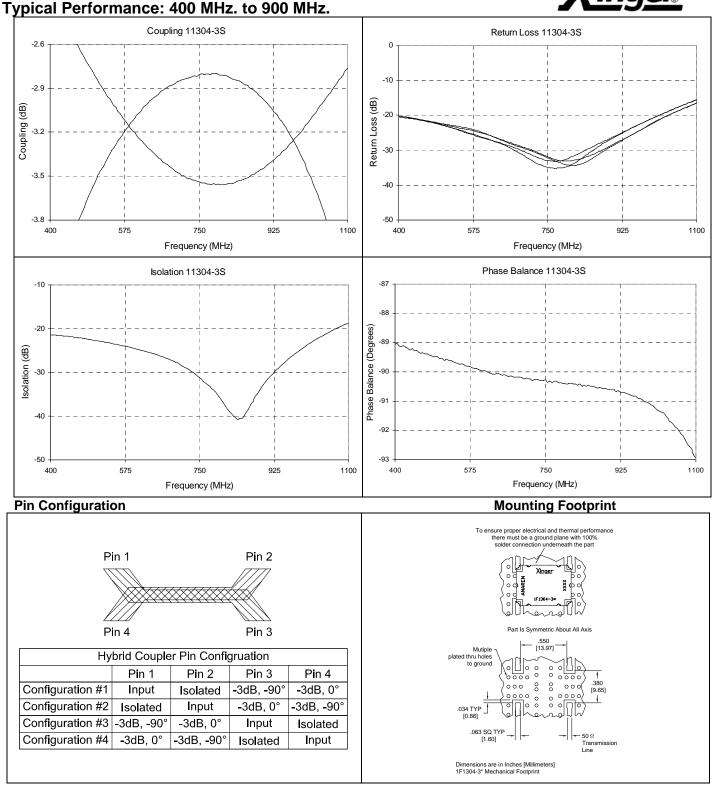


Available on Tape and Reel For Pick and Place Manufacturing.

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



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