



Hybrid Couplers 3 dB, 90°



Description

The 1D1304-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package covering the AMPS and GSM bands. The 1D1304-3 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 polyamide.

ELECTRICAL SPECIFICATIONS**

<u>-eatures:</u> ● 800 – 1200 MHz	Frequency	Isolation	Insertion Loss	VSWR	
Low Loss	MHz	dB Min	dB Max	Max:1	
 High Isolation 	815 – 960	22	0.23	1.18	
90° Quadrature	800 – 1200	21	0.25	1.20	
Surface MountableTape And Reel	Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.
Convenient Package	dB Max	Degrees	Ave. CW Watts	°C/Watt	°C
• 100% Tested	± 0.30	± 3	150	12.3	-55 to +85
	± 0.40	± 3	150	12.3	-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.

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



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