

Hybrid Couplers 3 dB, 90°



Description

The 11303-3 is a low profile 3dB hybrid coupler in an easy to use surface mount package covering the NMT 450 band. The 11303-3 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**

Frequency	Isolation	Insertion Loss	VSWR	
MHz	dB Min	dB Max	Max:1	
380 – 520	20	0.35	1.28	
Amplitude Balance	Phase Balance	Power	ΘJC	Operating Temp.
dB Max	Degrees	Ave. CW Watts	<i>⁰C/ Watt</i>	$^{\varrho}C$
± 0.30	± 3	125	14	-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 Europe: +44 2392-232392

Outline Drawing

Features:

380 - 520 MHz Low loss High Isolation 90⁰ Quadrature Surface Mountable Tape And Reel Convenient Package

100% Tested







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

Available on Tape and Reel For Pick and Place Manufacturing.





PACKAGING

Parts are available in both reel and tube. Packaging follows EIA 481-2. Parts are provided in tape and reel as shown below. Minimum order quantities are 1000 per reel and 35 per tube.









Available on Tape and Reel For Pick and Place Manufacturing. USA/Canada: Toll Free: Europe:

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