

Micro Xinger





10dB Directional Coupler

Description

The 1M710 Micro Xinger® is a low profile, miniature 10dB directional coupler in an easy to use surface mount package designed for ISM and LMDS applications. The 1M710 is for power and frequency detection as well as power injection and is an ideal solution for the ever-increasing demands of the wireless industry for smaller printed circuit boards and high performance. 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. Available in 6 of 6 RoHS compliant tin immersion (1M710S).

ELECTRICAL SPECIFICATIONS**

Frequency	Mean Coupling	Insertion Loss	VSWR	Freq. Sensitivity
GHz	dB	dB Max	Max : 1	dB Max
3.3 – 3.7	10.5 ± 0.8	0.25	1.20	± 0.2
Directivity	Power Handling	ΘJC	Operating Temp.	
dB Min	Watts	⁰C / Watt	°C	
20	22	34.4	-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

Features:

3.3 – 3.7 GHz Very Low Loss High Directivity Surface Mountable Tape And Reel

Available in Lead-Free (as illustrated) or Tin-Lead







Available on Tape and Reel For Pick and Place Manufacturing. USA/Canada: (3⁻ Toll Free: (80 Europe: +44

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



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Europe:

PACKAGING

Packaging follows EIA-481-2. Parts are oriented in tape as shown below. Minimum order quantities are 2000 per reel and 48 per tube.

