



Micro Xinger 10dB Directional Coupler

IND TOS

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

Description

The 1M810 Micro Xinger® is a low profile, miniature 10dB directional coupler in an easy to use surface mount package designed for U-NII, ISM and hyperLAN applications. The 1M810 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 both 5 of 6 tin lead (1M810) and 6 of 6 RoHS compliant tin immersion (1M810S).

ELECTRICAL SPECIFICATIONS**

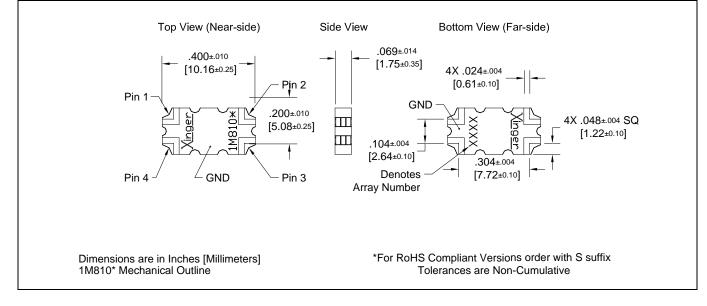
Frequency	Mean Coupling	Insertion Loss	VSWR	Freq. Sensitivity
GHz	dB	dB Max	Max : 1	dB Max
5.0 - 6.0	10.0 ± .75	0.30	1.33	± .30
Directivity	Power Handling	ΘJC	Operating Temp.	
dB Min	Watts	⁰C / Watt	°C	
18	15	23.8	-55 to +85	

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

Mechanical Outline

Features:

5.0 – 6.0 GHz Very Low Loss High Directivity Surface Mountable Tape And Reel



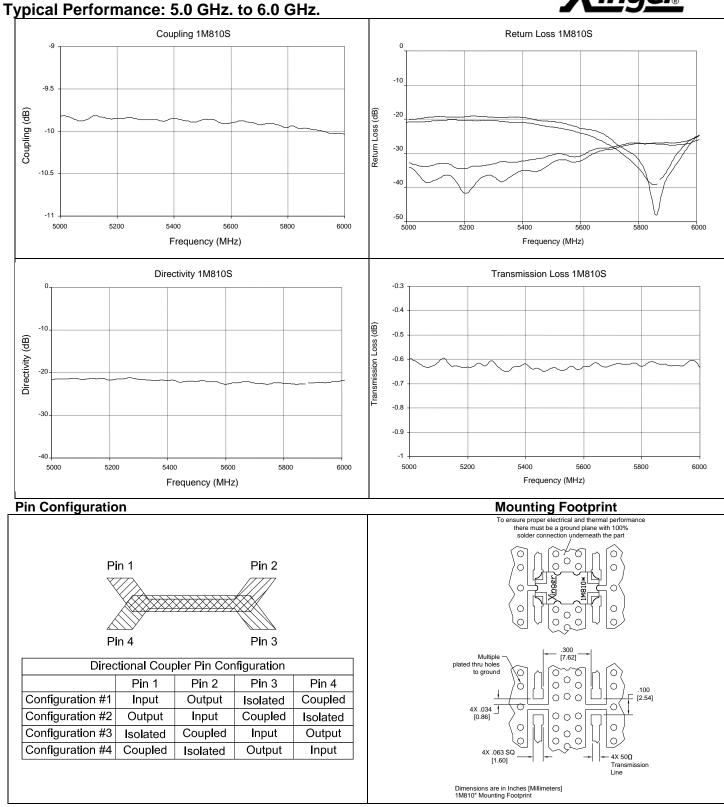




Available on Tape and Reel For Pick and Place Manufacturing. USA/Canada: (315) 432-8909 Toll Free: (800) 544-2414 Europe: +44 2392-232392



Xinger.



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

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

