
**PRODUCT DATA SHEET**
**C8098**

**4-Port Bi-Directional Coupler:** Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

**Features:**

High Power      Wide Bandwidths      Small Size      Flat Coupling      Custom Designs Available

**Electrical Specifications:**

Frequency:            800 - 2000 MHz  
 Power:                200 W CW  
 Coupling:            30 ± 1.0 dB Max.  
 Flatness:            ± 0.7 dB Max.  
 VSWR (ML):        1.20:1 Max.  
 Directivity:          20 dB Min.

**Mechanical Specifications:**

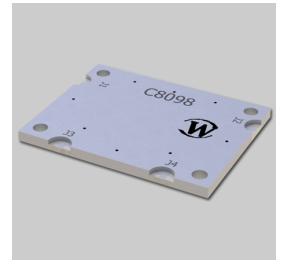
Type:                    Drop-In  
 Operating Temperature:    -55°C to +75°C  
 Storage Temperature:    -60°C to +85°C  
 Surface Finish Options:    C8098-Pb: Electrodeposited Tin/Lead  
                                   C8098-Sn: Immersion Tin  
                                   C8098-Ag: Immersion Silver  
                                   C8098-Au: ENIG  
 Size:                    1.3 x 1.0 x 0.07"

Hatched areas denote metallization

**Port Configurations:**

<b>J1</b> Input	<b>J2</b> Output	<b>J3</b> Forward (-30 dB)	<b>J4</b> Reverse (-30 dB)
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**Werlatone®** Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

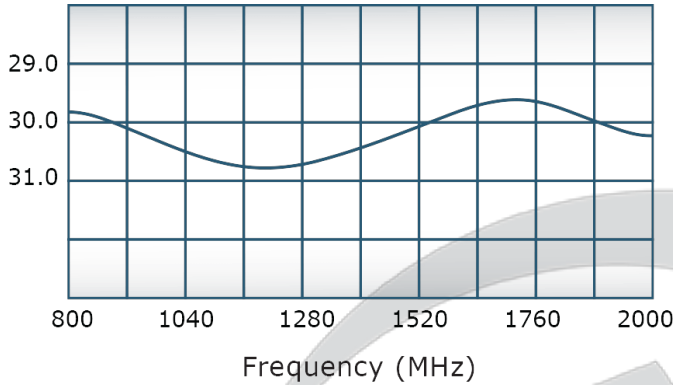


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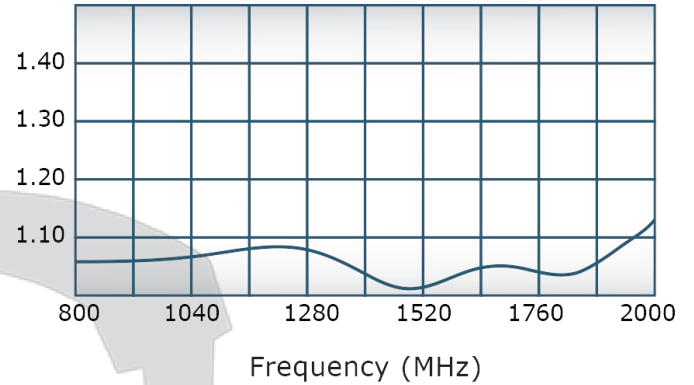
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### Performance Data (Specifications subject to change without notice):

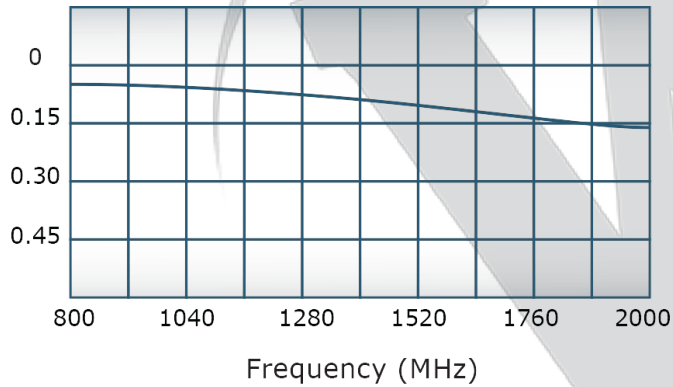
Coupling:



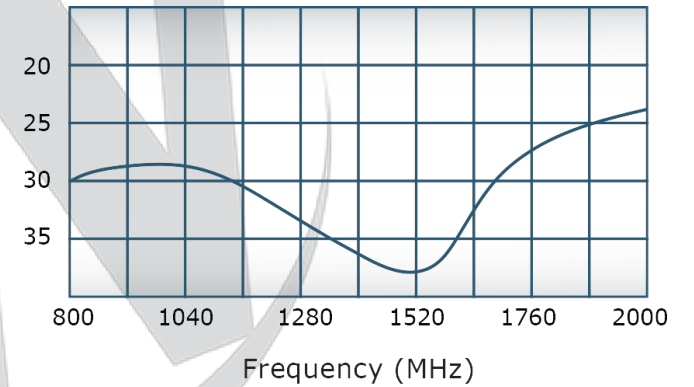
VSWR:



Insertion Loss:



Directivity:



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