

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:

J1 Input **J2** Output **J3** Forward (-30 dB) **J4** Reverse (-30 dB)

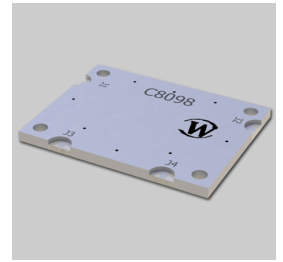
Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.



WERLATONE

Model C8098

Directional Couplers Non-Connectorized

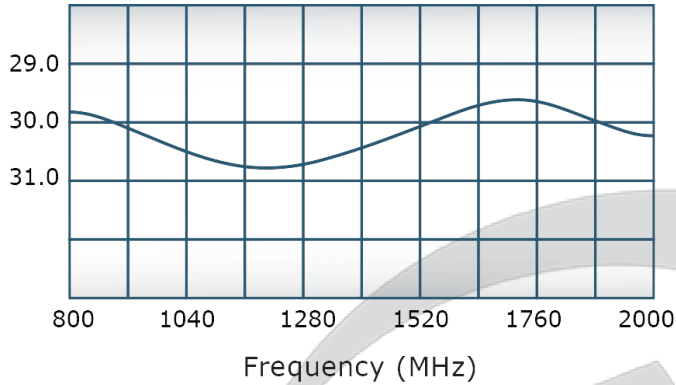


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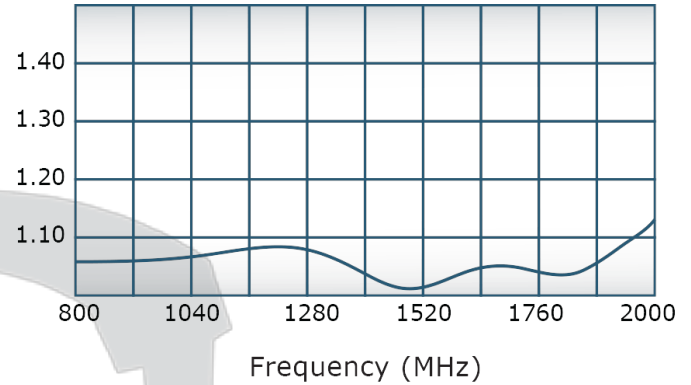
C8098

Performance Data (Specifications subject to change without notice):

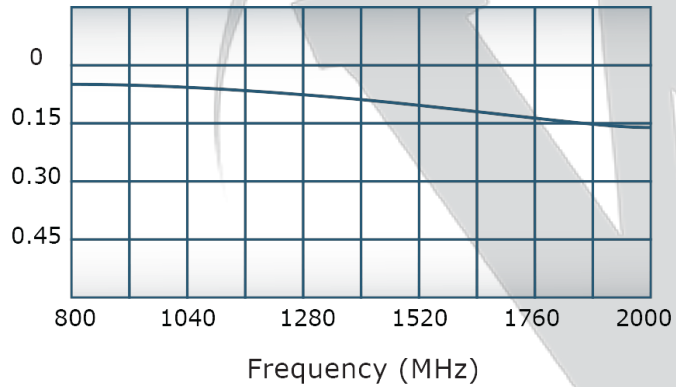
Coupling:



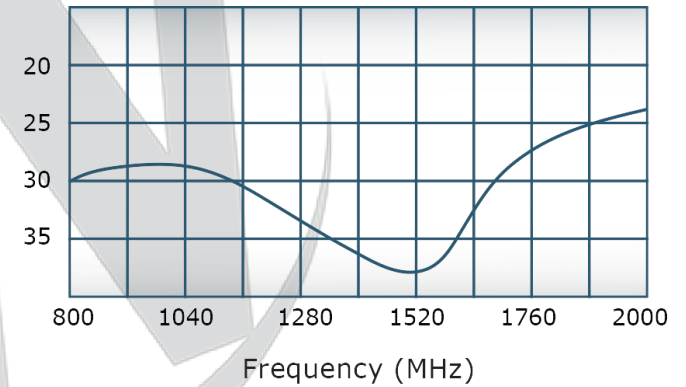
VSWR:



Insertion Loss:



Directivity:

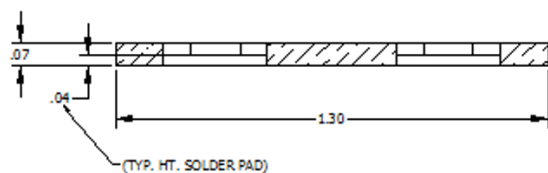
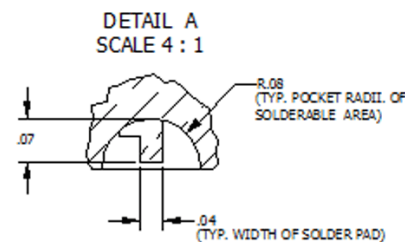
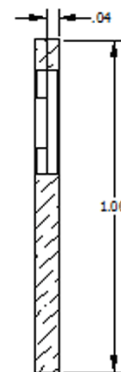
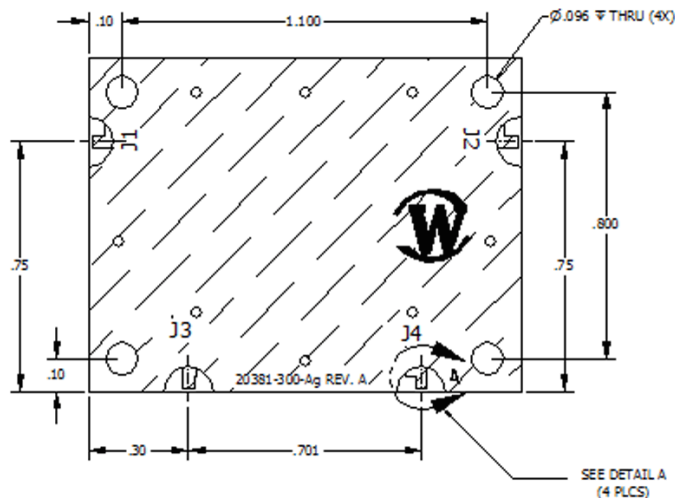


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REVISION HISTORY					
DATE	REV	REVISION DESCRIPTION	APP'D	CHK'D	APP'D
01/10/2008	A	PCB # 28812	NH	BAV	BAV
01/10/2008	K	PCB # 28812	NH	BAV	BAV



REVISION HISTORY 01/10/2008 A NH PCB # 28812 01/10/2008 K NH PCB # 28812 01/10/2008 B NH PCB # 28812		WERLATONE SINCE 1963 2095 Route 22 Arcata, CA 95521	
OUTLINE 28812		20381-500	
SHEET 1 OF 1		PLT B	

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