



PRODUCT DATA SHEET

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:	20 - 1000 MHz			
Power:	250 W CW			
Coupling:	$50 \pm 1.0 \text{ dB Max.}$			
Insertion Loss:	0.35 dB Max.			
Flatness:	± 0.65 dB Max.			
VSWR (ML):	1.25:1 Max.			
Directivity:	20 dB Min.			
Mechanical Specifications:				
Туре:		ectorized (SMT)		
Surface Finish:	ENIG IAW			
Operating Temperature: -55°C to +85°C				
Storage Tempe				
Size:	1.35 x 1.0	X 0.15"		
Connector Configurations:				
connector configurations.				
Model J1	j2 j3	J4		
C12298 Input		Reverse		

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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C12298 Rev.-



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