



PRODUCT DATA SHEET

C9043

4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 500 - 3500 MHz
 Power: 500 W CW
 Coupling: 50 ± 1.0 dB Max.
 Insertion Loss: 0.25 dB Max.
 Flatness: ± 1.00 dB Max.
 VSWR (ML): 1.35:1 Max.
 Directivity: 15 dB Min.

Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F
 Type I Class 3 (Yellow Iridite)
 RoHS Compliant Available
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Humidity: 95% Non-Condensing
 Size: 3.0 x 3.0 x 1.09"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C9043-10	N Female	N Female	N Female	N Female
C9043-12	N Female	N Female	SMA	SMA
C9043-20*	7/16 Female	7/16 Female	N Female	N Female
C9043-22*	7/16 Female	7/16 Female	SMA	SMA
C9043-23*	7/16 Female	7/16 Female	BNC	BNC
C9043-41	SC Female	SC Female	N Female	N Female
C9043-43	SC Female	SC Female	SMA	SMA
C9043-627*	7/16 Female	7/16 Male	N Female	N Female
C9043-727*	7/16 Male	7/16 Female	N Female	N Female
C9043-728*	7/16 Male	7/16 Female	SMA	SMA

(7/16 Mainline connector option increases case height to 1.59")



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Model C9043

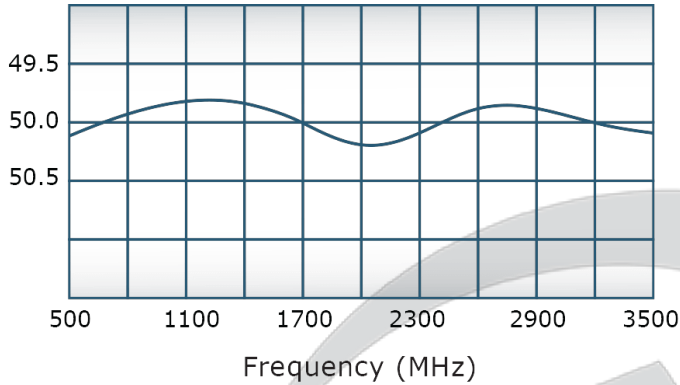


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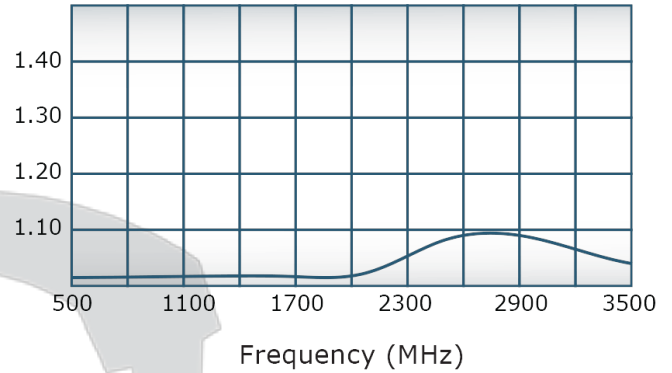
C9043

Performance Data (Specifications subject to change without notice):

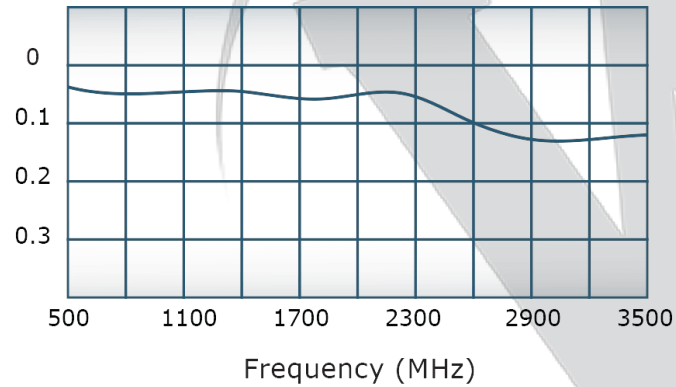
Coupling:



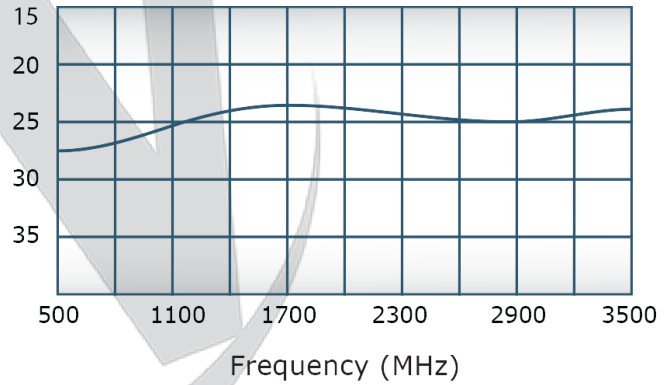
VSWR:



Insertion Loss:



Directivity:



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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL 5541F TYPE I CLASS 3 (YELLOW IRIDITE)

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