

PRODUCT DATA SHEET

C5334

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.

Electrical Specifications:

Frequency: 100 - 500 MHz
Power: 2000 W CW
Coupling: 40 ± 1.0 dB Max.
Insertion Loss: 0.2 dB Max.
Flatness: ± 0.3 dB Max.
VSWR (ML): 1.20:1 Max.
Directivity: 20 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)
C5334-10	N Female	N Female	N Female	N Female
C5334-12	N Female	N Female	SMA	SMA
C5334-13	N Female	N Female	BNC	BNC
C5334-20*	7/16 Female	7/16 Female	7/16 Female	7/16 Female
C5334-22*	7/16 Female	7/16 Female	SMA	SMA
C5334-23*	7/16 Female	7/16 Female	BNC	BNC
C5334-43	SC Female	SC Female	SMA	SMA
C5334-622*	7/16 Female	7/16 Male	SMA	SMA
C5334-627*	7/16 Female	7/16 Male	N Female	N Female
C5334-745	SC Male	SC Female	SMA	SMA

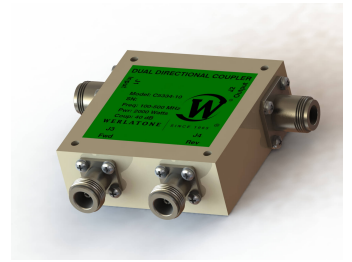
(7/16-F Main Line connector option increases size to 3.0 x 3.0 x 1.59")



WERLATONE

Model C5334

Connectorized Directional Couplers

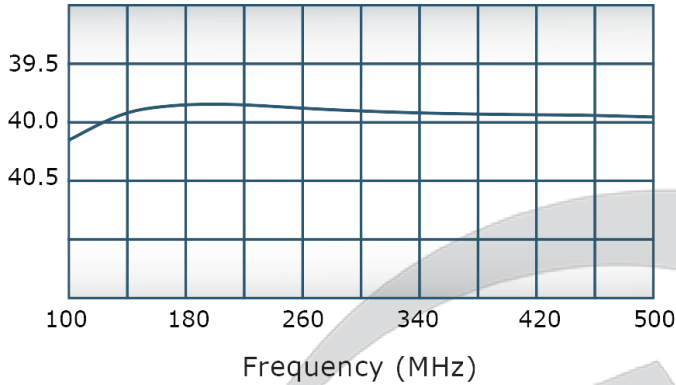


PRODUCT DATA SHEET

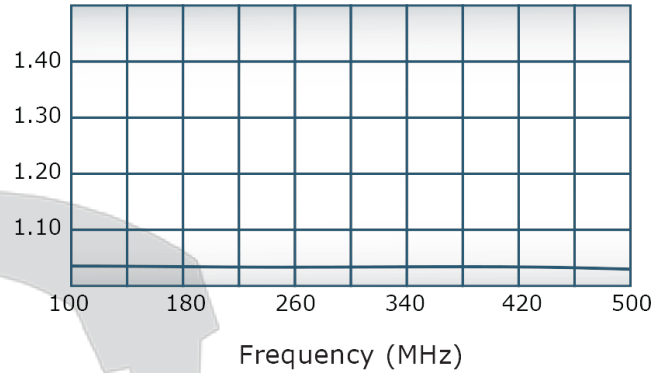
C5334

Performance Data (Specifications subject to change without notice):

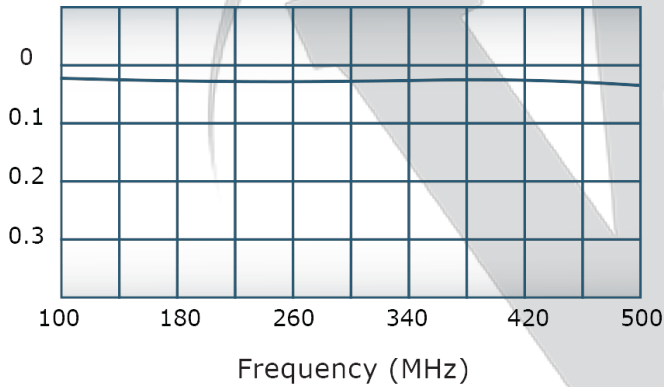
Coupling:



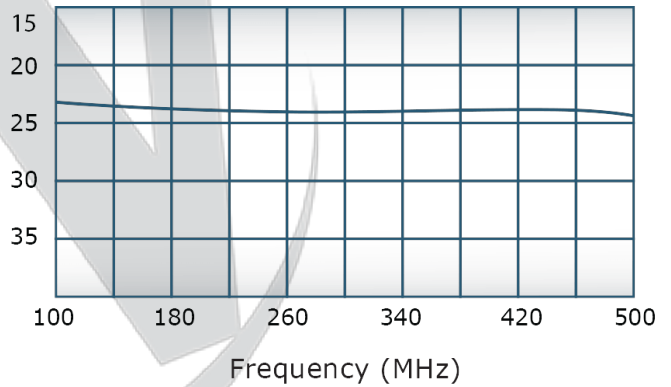
VSWR:



Insertion Loss:



Directivity:



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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

A

3