
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 $+75^{\circ}\text{C}$
Storage Temperature: -60°C to $+85^{\circ}\text{C}$
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

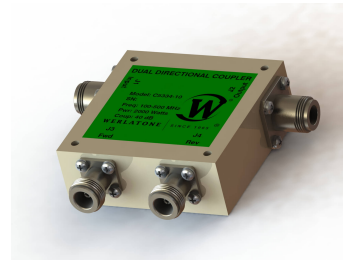
(7/16-F Main Line connector option increases size to 3.0 x 3.0 x 1.59")



WERLATONE

Model C5334

Connectorized Directional Couplers

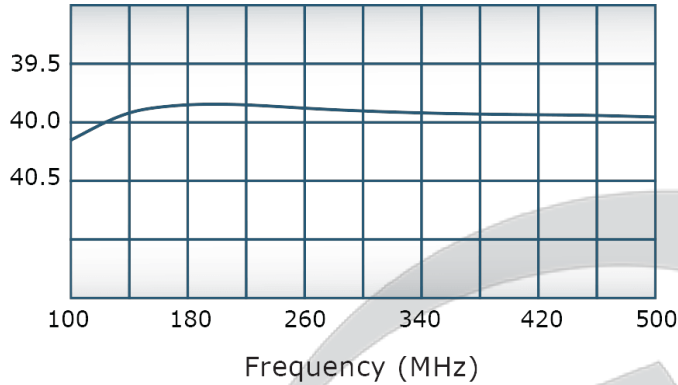


PRODUCT DATA SHEET

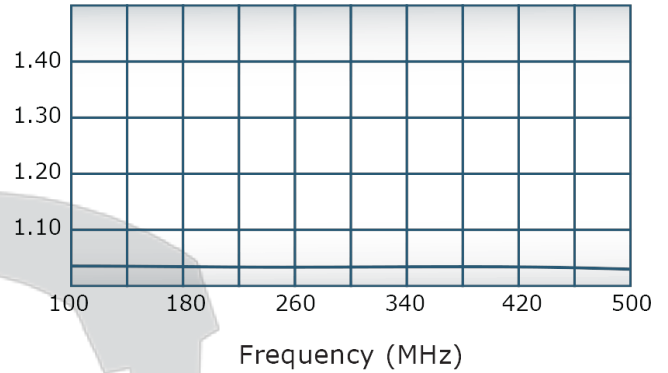
C5334

Performance Data (Specifications subject to change without notice):

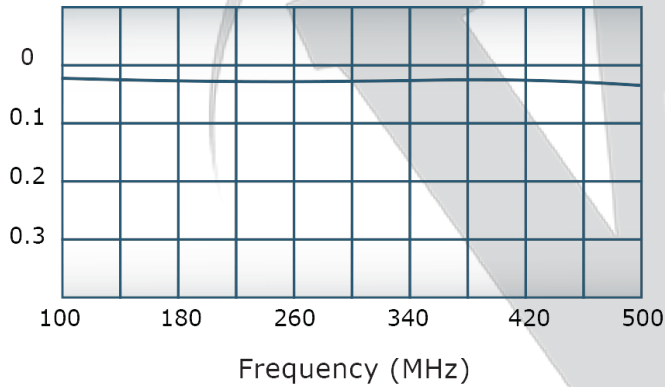
Coupling:



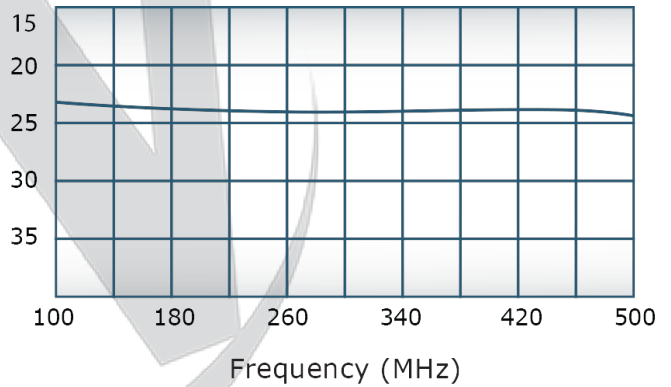
VSWR:



Insertion Loss:



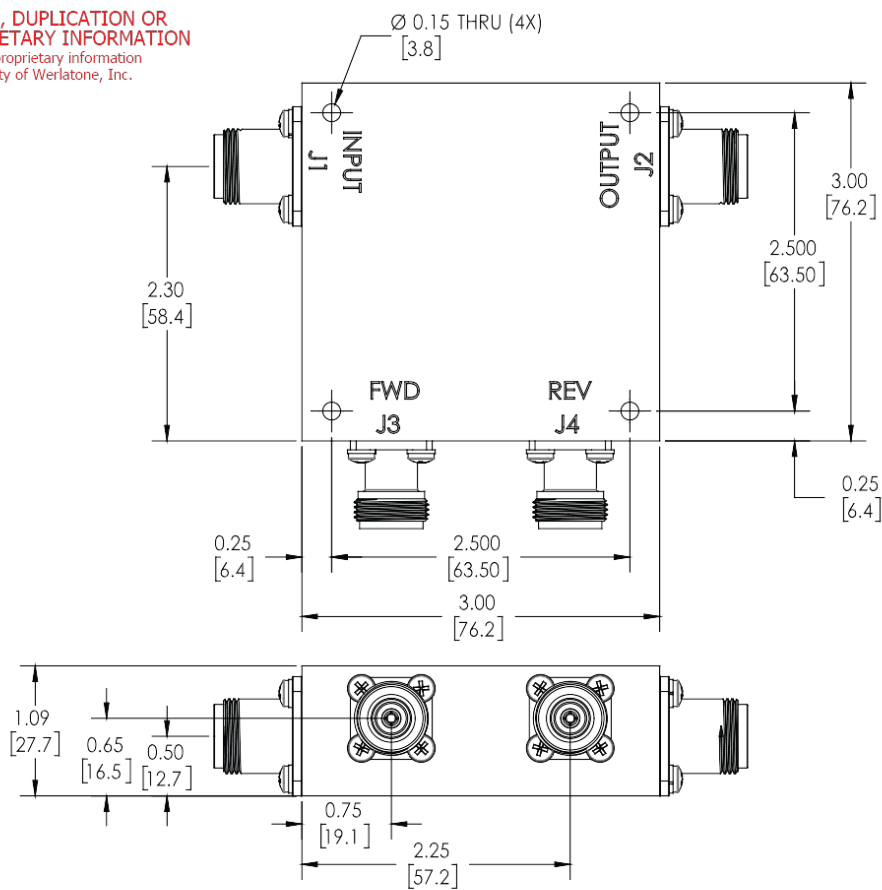
Directivity:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/27/18	RB

NOTES: UNLESS OTHERWISE SPECIFIED

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

		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd	
		• INTERPRET DRAWING AS PER: STD-100 • DIMENSIONING PER ASME Y14.5-2009 • ARCHITECTURAL INFO FOR KEY ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES: ± 2° 2 PL. ± .002 [13] 3 PL. ± .015 [38] • REMOVE ALL BURRS AND SHARP EDGES R.25 MAX • CONCENTRICITY MACHINED DIA. ±.02 FIM • MACHINE TOOL DEFORMATION .002 FIM		RH	7/5/2001		Patterson, NY 12561	
				CHK	DATE			
				ENGR	DATE			
				RFGR	7/5/2001			
				QA	DATE			
				RLSE	DATE			
NEXT ASSY		USED ON				TITLE OUTLINE		
						SIZE	CAGE CODE	DWG NO
						B		10379-505
APPLICATION		THIRD ANGLE PROJECTION 				SCALE		1:1
								SHEET 1 OF 1

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