



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")



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Model C5334

Connectorized Directional Couplers

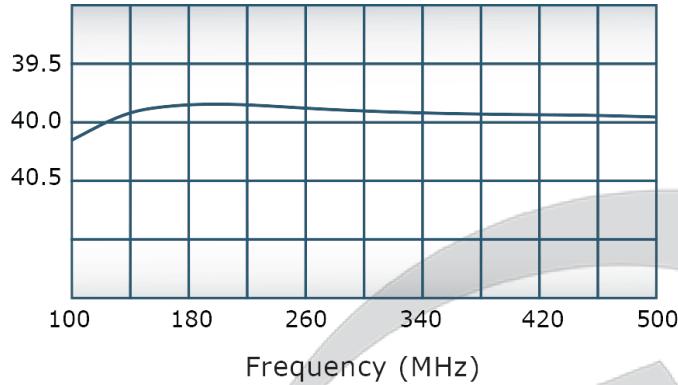


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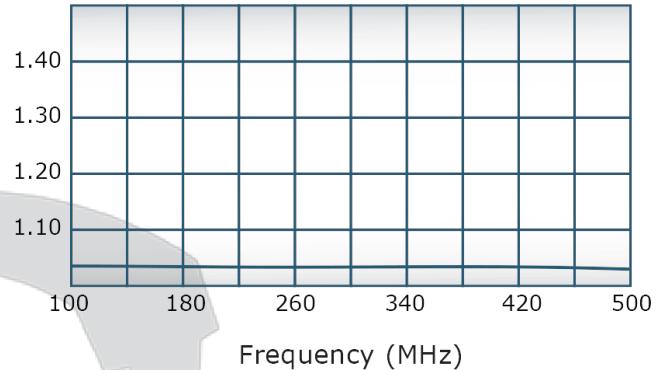
C5334

Performance Data (Specifications subject to change without notice):

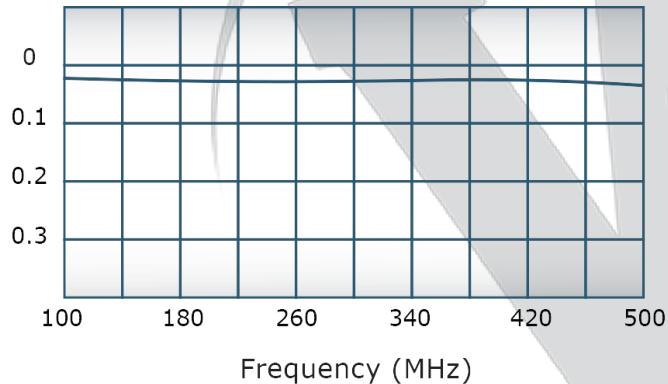
Coupling:



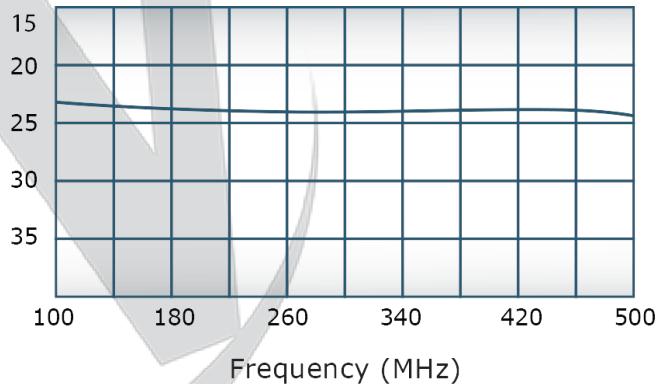
VSWR:



Insertion Loss:



Directivity:



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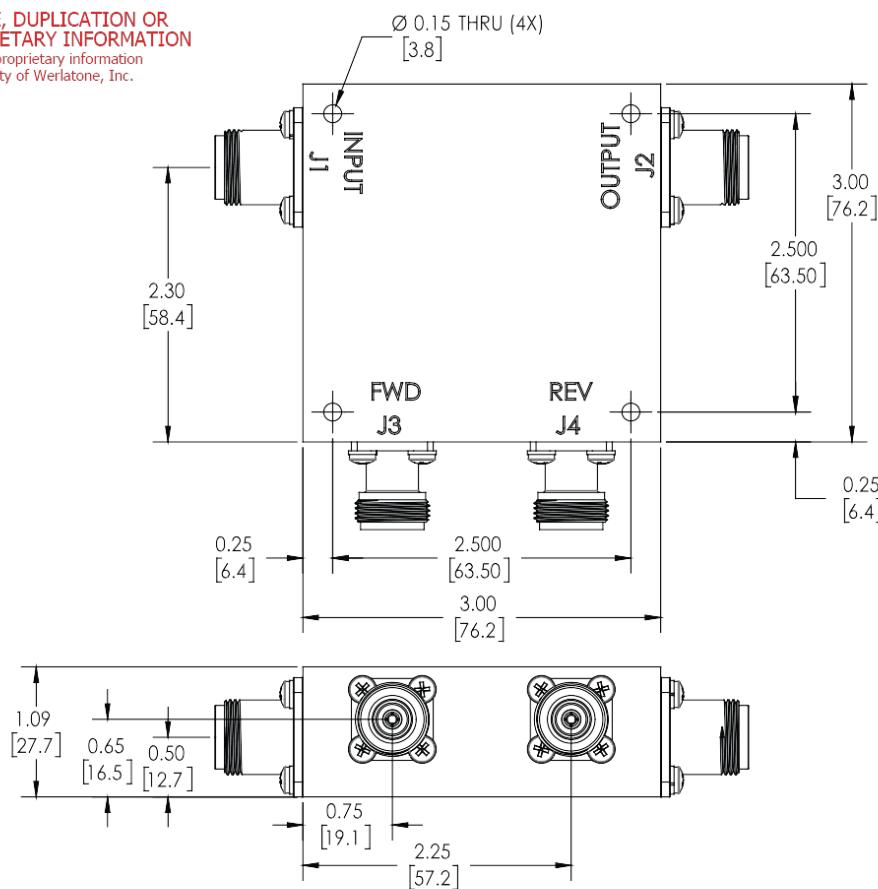
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REVISION HISTORY

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 RH DATE 7/5/2001	REV A DATE 7/5/2001	17 Jon Barrett Rd Patterson, NY 12563
W WERLATONE SINCE 1965			
INTERPRET DRAWING AS MIL-STD-100	ENGR M3 DATE 7/5/2001	TITLE OUTLINE	
• PREFERRED DRAWING PER ASME B1.5M-2009	MFGR DATE	SIZE B	REV A
• PARALLEL HORIZONTAL REF ONLY	QA DATE	CAGE CODE 10379-505	
• DIMENSIONS ARE IN INCHES	PLSE DATE	DWG NO 1	
• TOLERANCES	SCALE 1:1	SHEET 1 OF 1	
• ANGLES ± 2° 3 AL + 1 (1.2)			
• 2.00 ± .003 (50.8 ± 0.76)			
• REMOVE ALL BURRS AND SHARP EDGES R.01 MAX			
• CONCENTRICITY MACHINED 0.04 .002 FIRM			
• MACHINE TOOL MISMATCH .003 MAX			
NEXT ASSY APPLICATION	THIRD ANGLE PROJECTION		

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