

PRODUCT DATA SHEET

C6933

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: 60 - 600 MHz
 Power: 200 W CW
 Coupling: 6 ± 1.0 dB Max.
 Insertion Loss: 0.35 dB Max.
 Flatness: ± 1.0 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: 6.0 x 4.0 x 0.75"
 Weight: 1 lb.

Port Configurations:

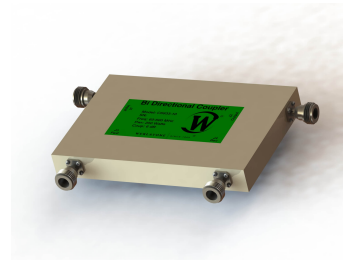
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6933-10	N Female	N Female	N Female	N Female
C6933-12	N Female	N Female	SMA	SMA
C6933-102	SMA	SMA	SMA	SMA

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.



WERLATONE

Model C6933

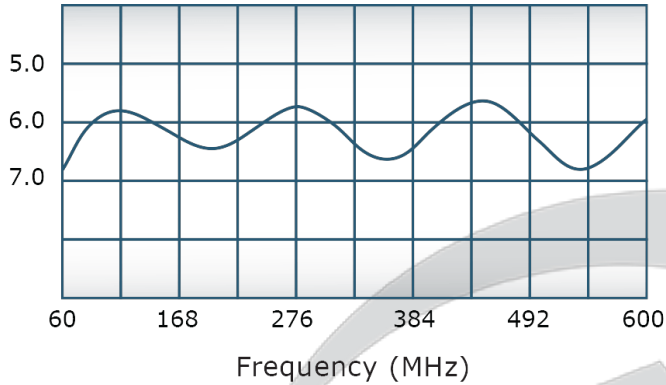


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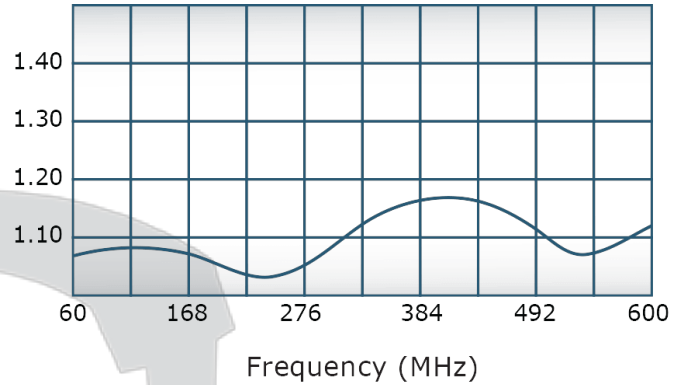
C6933

Performance Data (Specifications subject to change without notice):

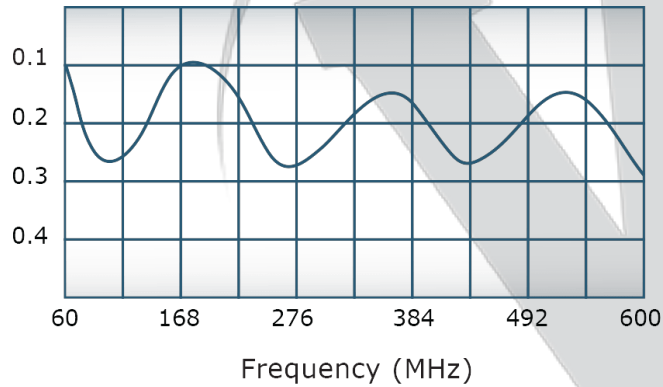
Coupling:



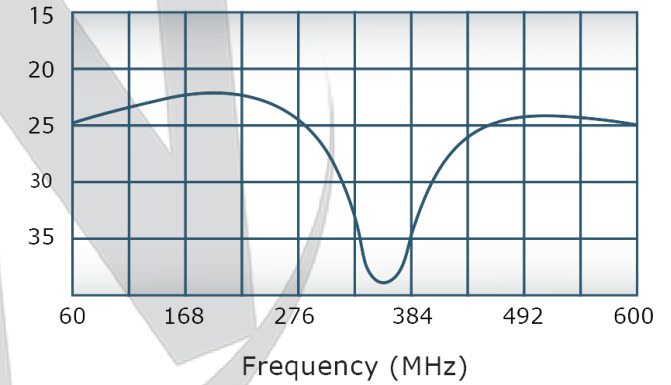
VSWR:



Insertion Loss:



Directivity:



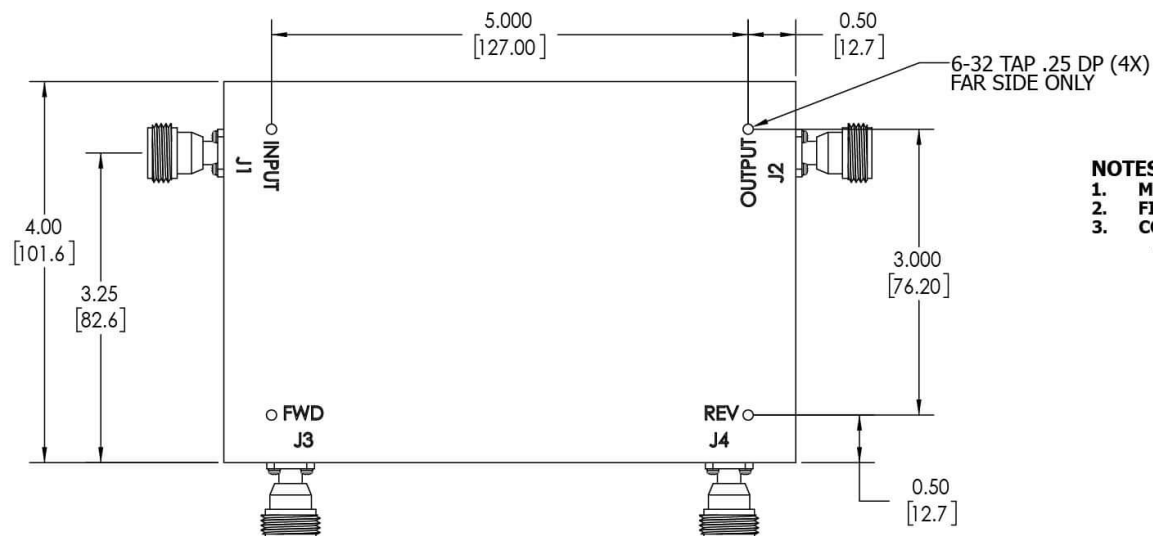
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

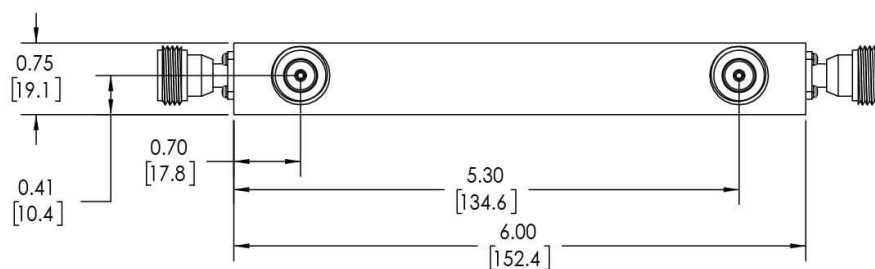
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	6/12/2019	RB



1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS:
J1-J4: N FEMALE



UNLESS OTHERWISE SPECIFIED INTERPRET DRAWING IN ACCORDANCE WITH DIMENSIONS FOR PERMANENT DIMENSIONS DIMENSIONS ARE IN INCHES DIMENSIONAL LIMITS APPLY BEFORE PROCESSES TOLERANCES: ANGLES = $\pm 0.1^\circ$ $3 \text{ P.L.} \pm 0.005 [13]$ $2 \text{ P.L.} \pm 0.01 [30]$ REMOVE ALL BURRS AND SHARP EDGES 0.01 MAX CONCENTRICITY MACHINED DIA. 0.02 FPM MACHINE TOOL RESTRAINT 0.01 MAX		DWN DATE 6/12/2019 SD DATE CHR DATE CS DATE 6/12/2019 ENGR DATE REGR DATE QA DATE RLSE DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
NEXT ASSY USED ON	APPLICATION	THIRD ANGLE PROJECTION	TITLE <h1>OUTLINE</h1> SIZE CAGE CODE DWG NO <div>SCALE: 1:25</div> <div>10941-500</div>	
			REV A	SHEET 1 OF 1

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