

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

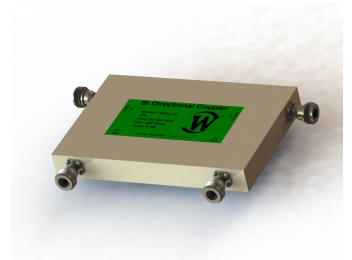
Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.



WERLATONE

Model C6933

Connectorized Directional Couplers

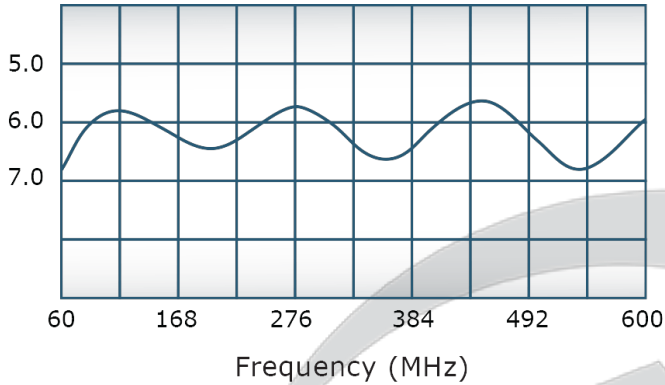


PRODUCT DATA SHEET

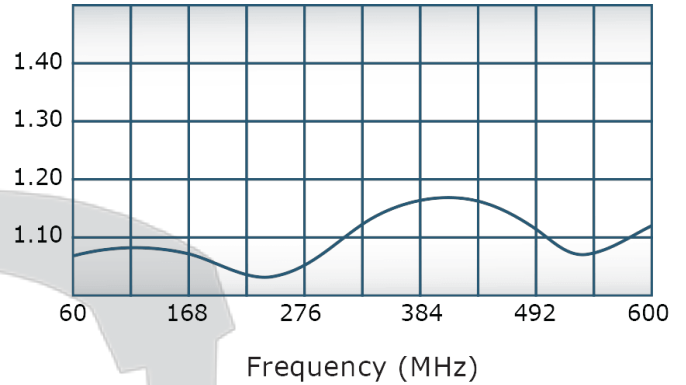
C6933

Performance Data (Specifications subject to change without notice):

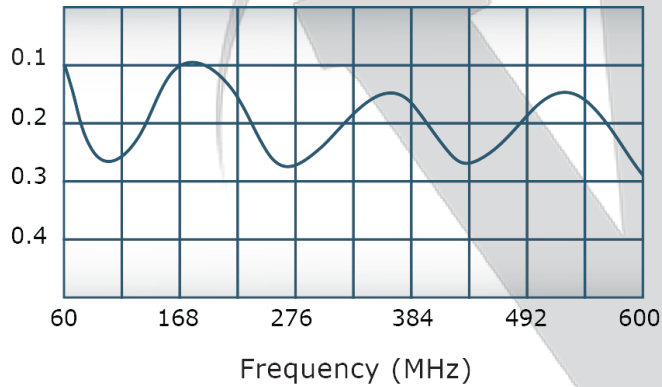
Coupling:



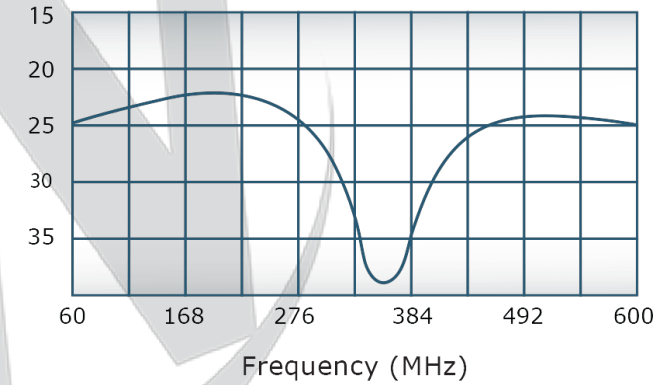
VSWR:



Insertion Loss:



Directivity:

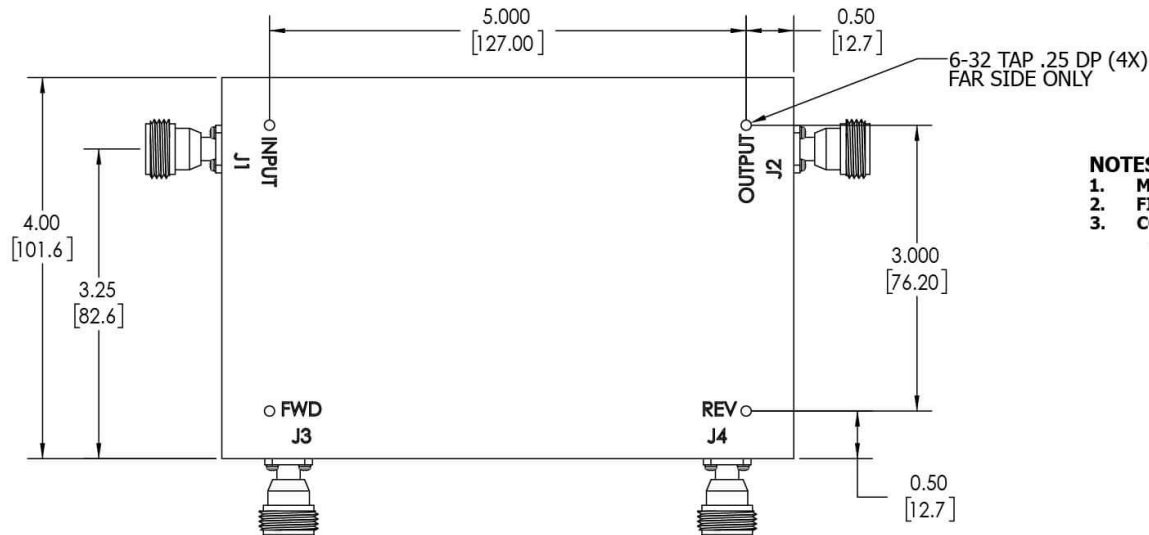


Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

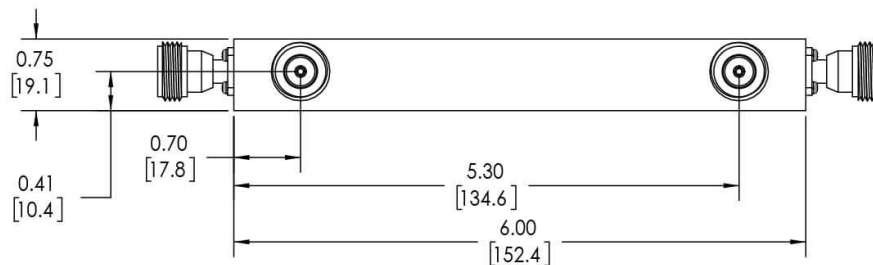
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
 This document contains proprietary information which is the sole property of Werlatone, Inc.

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



NOTES: UNLESS OTHERWISE SPECIFIED
 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		DWN	DATE	[W] WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
INTERPRET DRAWING IAW MIL-STD-100		SD	6/12/2019	[W]	WERLATONE SINCE 1965		
DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE				
DIMENSIONAL INFO FOR REF ONLY		CS	6/12/2019				
DIMENSIONS ARE IN INCHES		TITLE		OUTLINE			
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		ENGR	DATE				
TOLERANCES:		INFR	DATE				
ANGLES ± 2°		MFR	DATE	SIZE CASE CODE DWG NO REV			
3 PL ± .005 [13]							
2 PL ± .015 [38]							
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		QA	DATE				
CONCENTRICITY MACHINED DIA. .002 FIM		RLSE	DATE	SCAL		10941-500	
MACHINE TOOL MISMATCH .003 MAX				B		:1.25	
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION		SHEET 1 OF 1		A	

OUTLINE

SIZE CAGE CODE DWG NO

B 10941-500

SCALE 1:1.25

REV A

SHEET 1 OF 1

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