



PRODUCT DATA SHEET

C8671

3-Port Uni-Directional Coupler: Consists of a main line and a coupled line. One end of the coupled line is internally terminated, while the other end serves as a coupled port. Ideal for sampling and monitoring power in one direction at a given time. It is necessary to physically reverse the orientation of the unit to change from a forward to a reverse power measurement.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 300 - 3000 MHz
 Power: 100 W CW
 Coupling: 10 ± 1.0 dB Max.
 Insertion Loss: 0.35 dB Max.
 Flatness: ± 1.0 dB Max.
 VSWR (ML): 1.20:1 Max.
 Directivity: 15 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: 3.7 x 2.0 x 0.75"
 Weight: 9 ounces

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C8671-10	N Female	N Female	N Female
C8671-12	N Female	N Female	SMA
C8671-102	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.

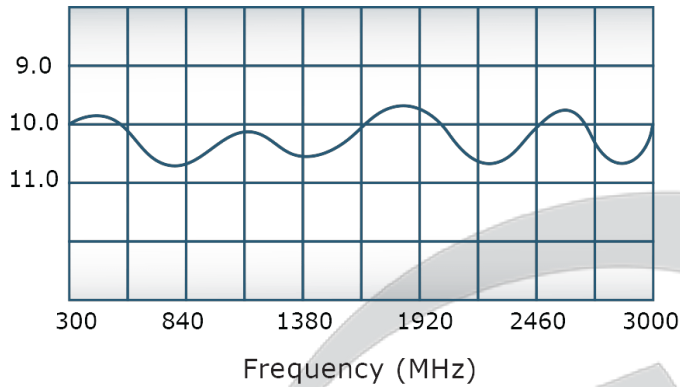


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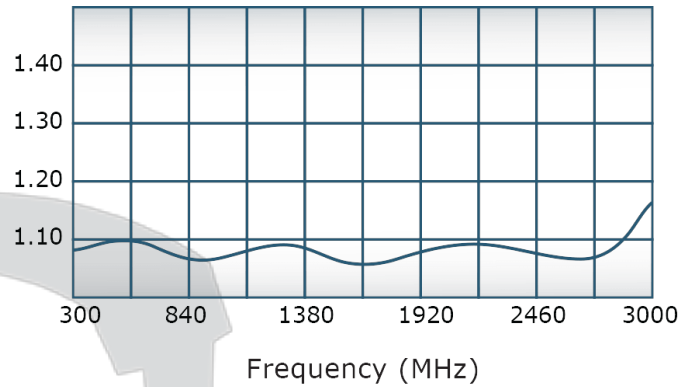
C8671

Performance Data (Specifications subject to change without notice):

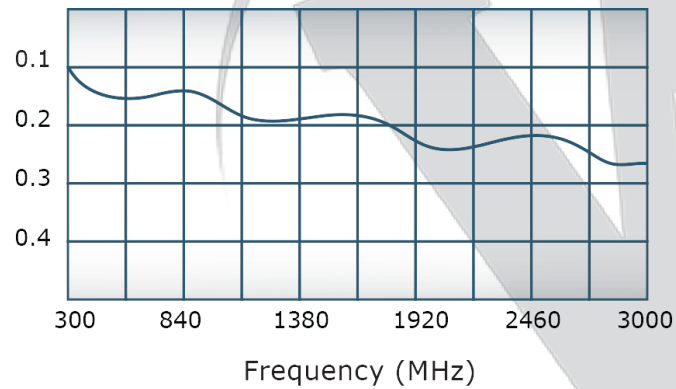
Coupling:



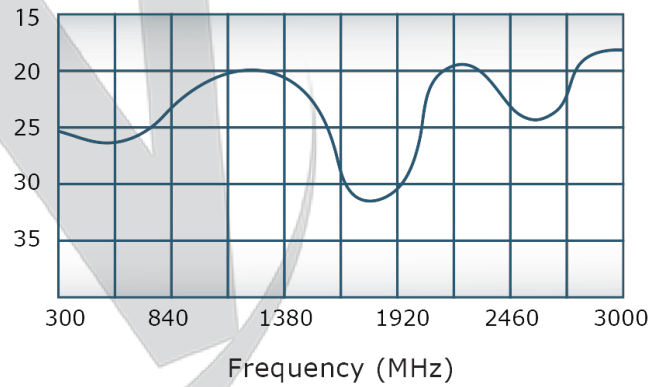
VSWR:



Insertion Loss:



Directivity:

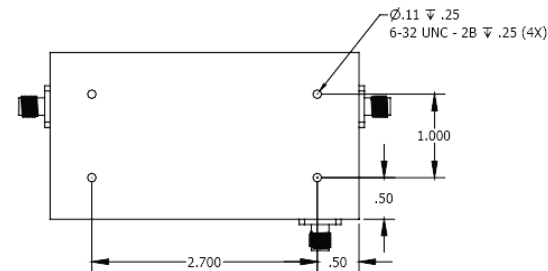
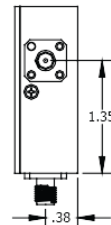
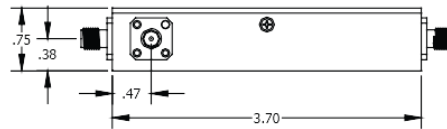
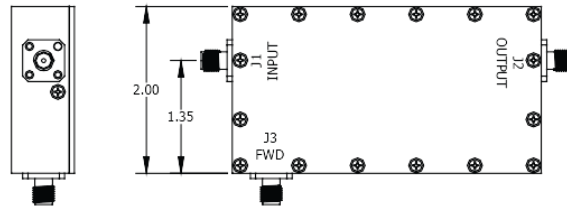




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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV



UNLESS OTHERWISE SPECIFIED		DWN	DATE	 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
* INTERPRET DRAWING (AW MIL-STD-100)		NH	7/29/2010	TITLE			
* DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
* PARENTHETICAL DIM FOR REF ONLY		BW	7/29/2010				
* DIMENSIONS ARE IN INCHES		FRGR	DATE				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	7/29/2010	USED ON			
* TOLERANCES		ANGLES	± 2°	C8671			
		XXX	± .005				
		XX	± .015				
THIRD ANGLE PROJECTION				SIZE	CAGE CODE	DWG NO	REV
		RLSE	DATE	A	28812	20678-500	
		SCALE				SHEET 1 OF 1	

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