



## 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:  $10 \pm 1.0$  dB Max.  
 Insertion Loss: 0.35 dB Max.  
 Flatness:  $\pm 1.0$  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.

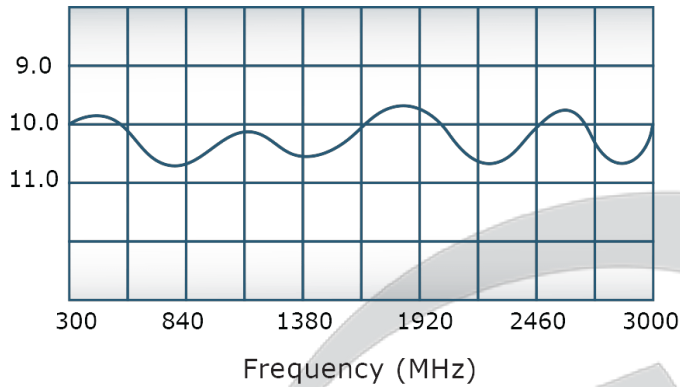


## PRODUCT DATA SHEET

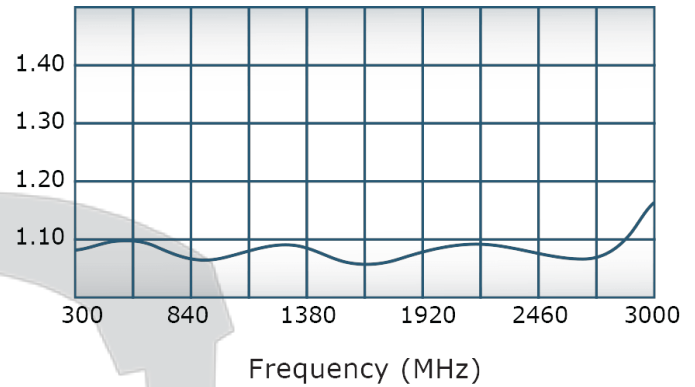
C8671

### Performance Data (Specifications subject to change without notice):

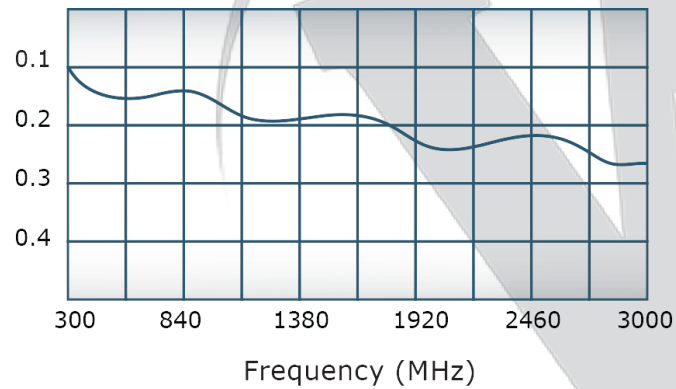
Coupling:



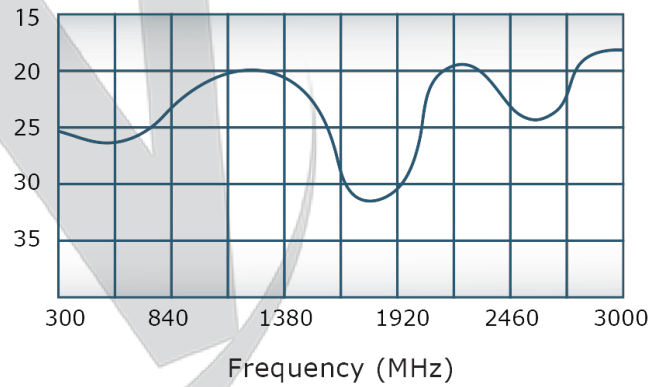
VSWR:



Insertion Loss:



Directivity:

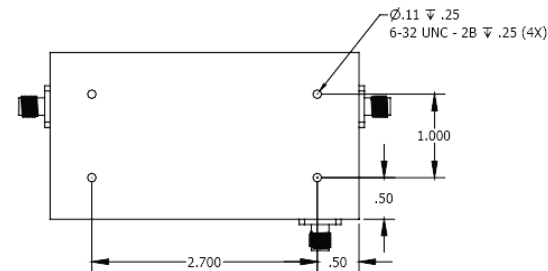
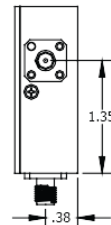
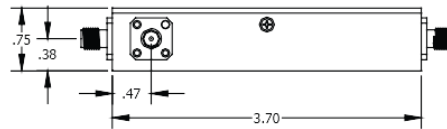
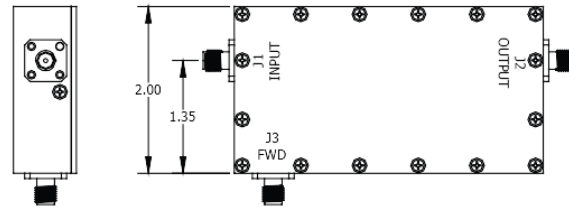



**Restriction on use, duplication, or disclosure of proprietary information.** This document contains proprietary information which is the sole property of Werlatone, Inc.

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					
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)		CHK	DATE	TITLE			
* DIMENSIONING PER ASME Y14.5M-2009		BW	DATE				
* PARENTHETICAL INFO FOR REF ONLY		ENGR	DATE	USED ON			
* DIMENSIONS ARE IN INCHES		BW	DATE				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		MGFR	DATE	C8671			
* TOLERANCES		QA	DATE	SIZE	CAGE CODE	DWG NO	REV
ANGLES ± 2°		RLSE	DATE	A	28812	20678-500	
XXX ± .005		SCALE		SHEET 1 OF 1			
XX ± .015							

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