


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.

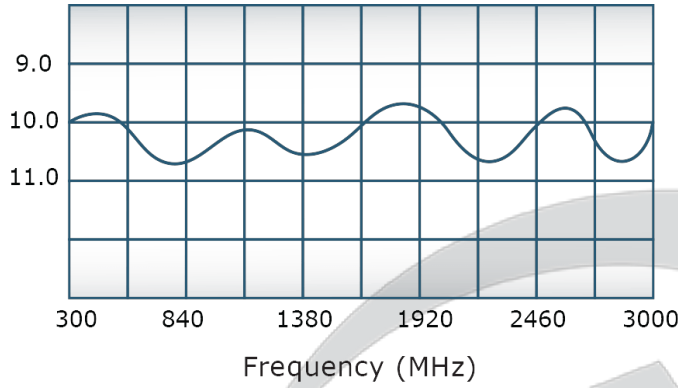


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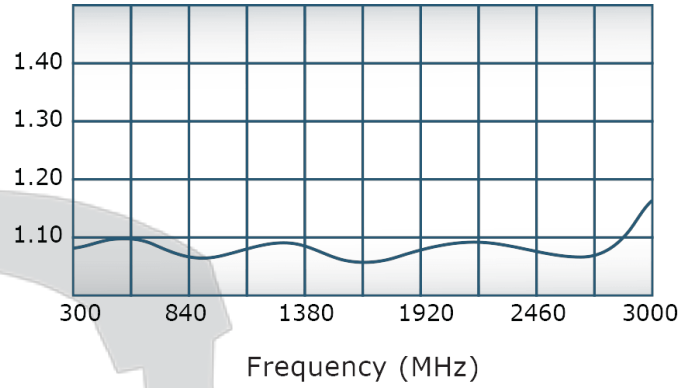
C8671

Performance Data (Specifications subject to change without notice):

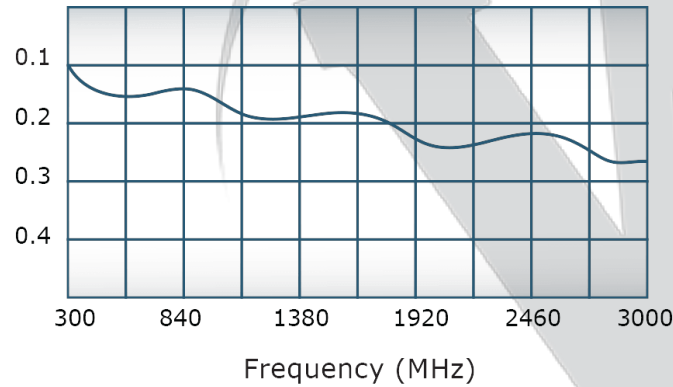
Coupling:



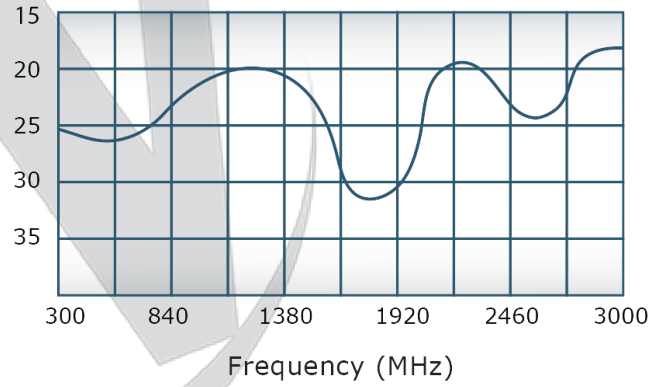
VSWR:



Insertion Loss:



Directivity:



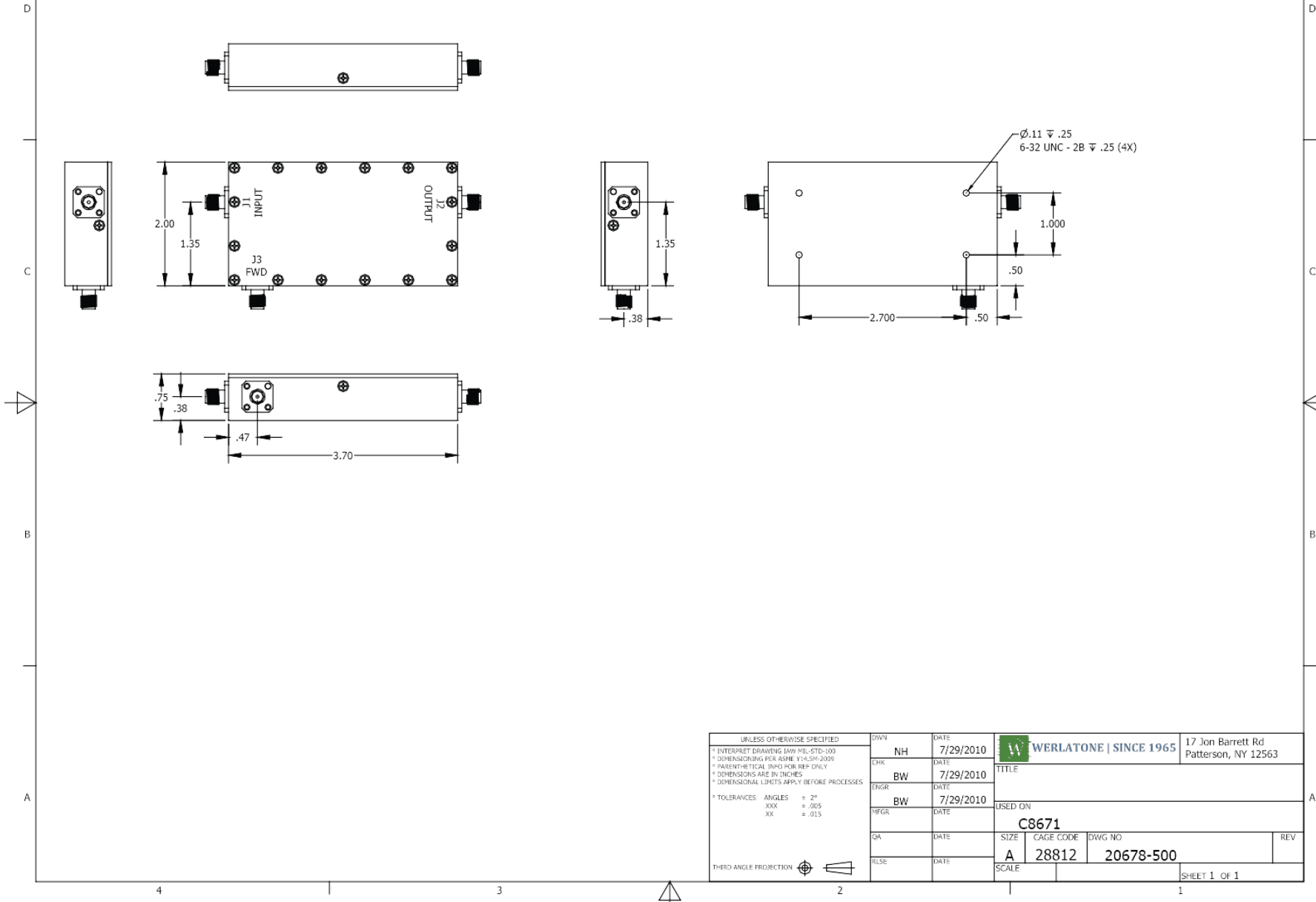
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Werlatone, Inc.

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

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