

PRODUCT DATA SHEET

C6467

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: 225 - 400 MHz
Power: 500 W CW
Coupling: 20 ± 1.0 dB Max.
Insertion Loss: 0.4 dB Max.
Flatness: ± 0.5 dB Max.
VSWR (ML): 1.30:1 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: 7.0 x 2.0 x 1.25"
Weight: 1.25 lbs.

Port Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)
C6467-10	N Female	N Female	N Female
C6467-12	N Female	N Female	SMA
C6467-102	SMA	SMA	SMA

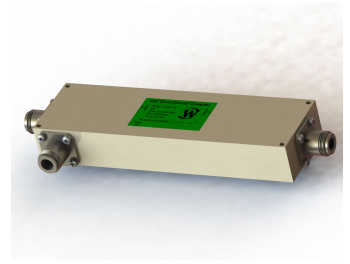
Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a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



WERLATONE

Model C6467

Connectorized Directional Couplers

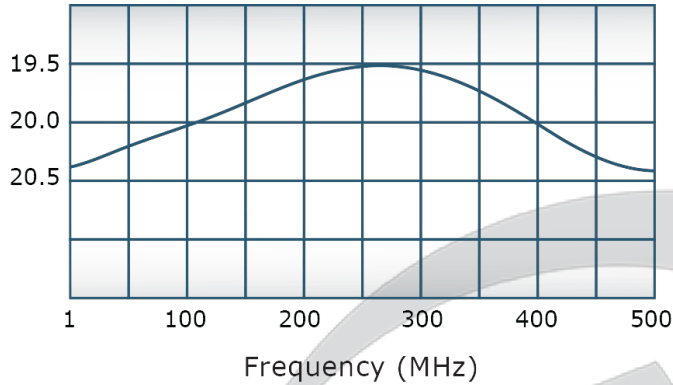


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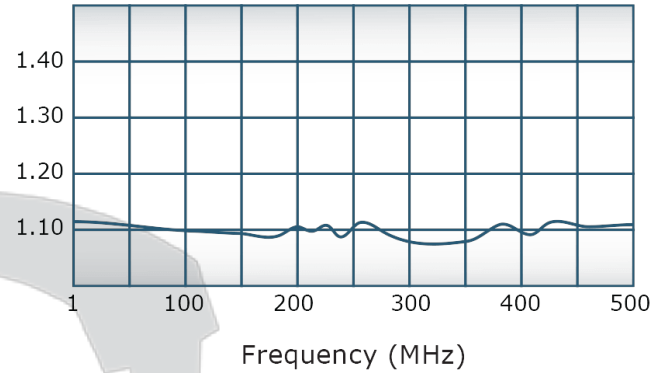
C6467

Performance Data (Specifications subject to change without notice):

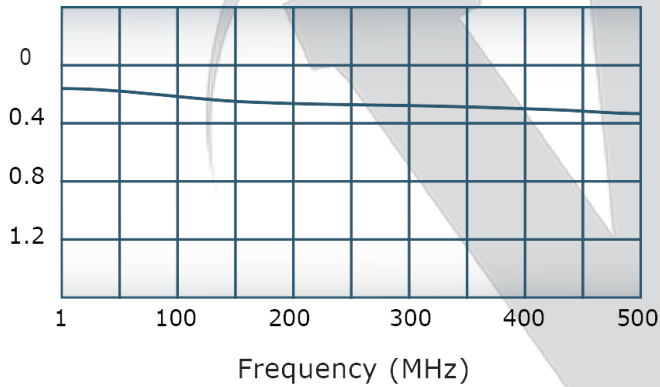
Coupling:



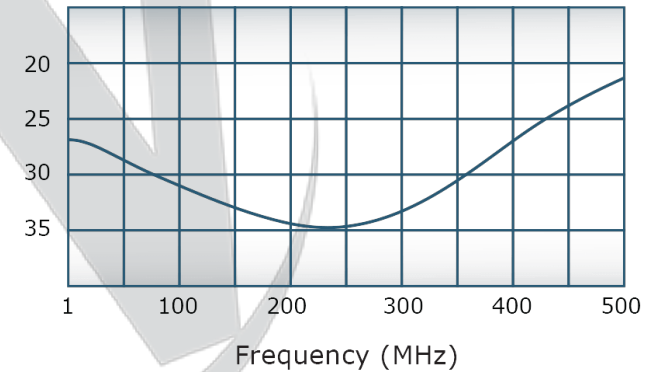
VSWR:



Insertion Loss:



Directivity:



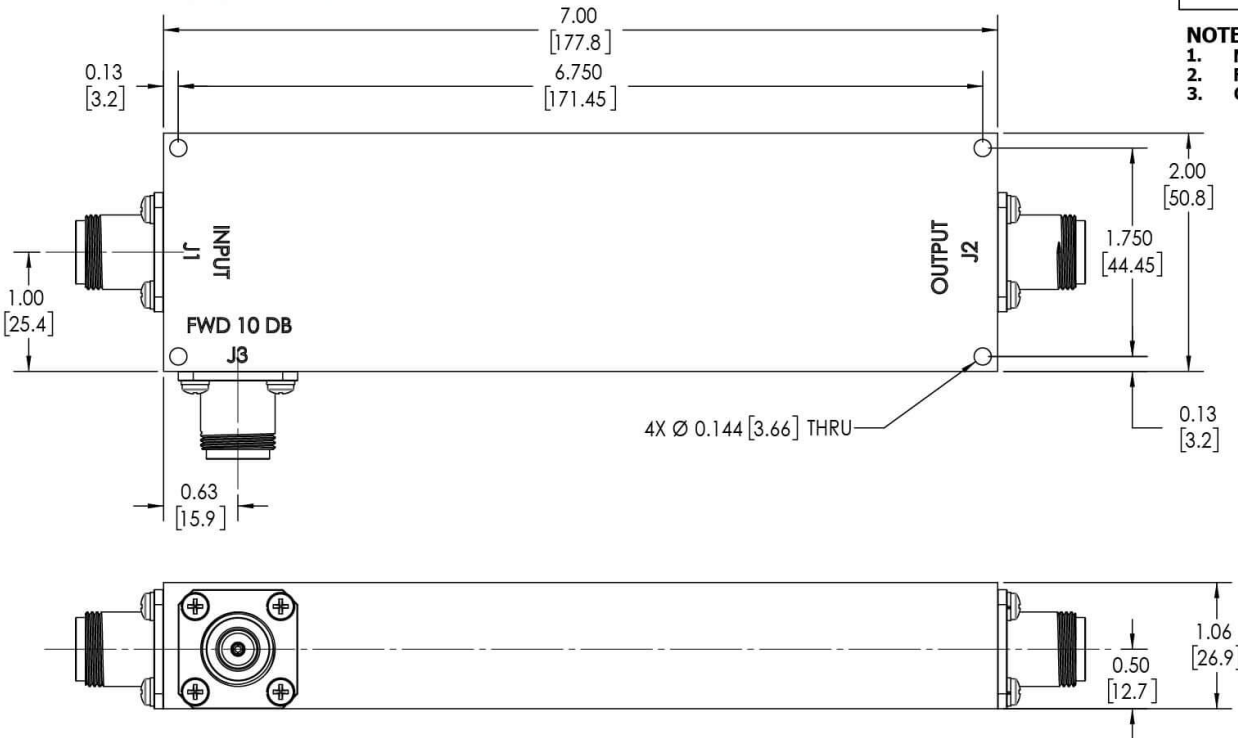
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	8/14/2019	RB

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-J3: N FEMALE



UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE [®] SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563		
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		SD	8/14/2019					
DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE	TITLE				
PARENTHESES FOR REF ONLY		CS	8/14/2019					
DIMENSIONS ARE IN INCHES		ENGR	DATE	OUTLINE				
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		INFR	DATE					
TOLERANCES:		QA	DATE	SIZE		CAGE CODE	DWG NO	REV
ANGLES ± 2°		RLSE	DATE	SCALE		10731-500		A
3 PL ± .005 [13]				B		1:1		SHEET 1 OF 1
2 PL ± .015 [38]								
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX								
CONCENTRICITY MACHINED DIA. .002 FIM								
MACHINE TOOL MISMATCH .003 MAX								
NEXT ASSY	USED ON			APPLICATION				
				THIRD ANGLE PROJECTION				

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