



PRODUCT DATA SHEET

C6067

4-Port Dual Directional Coupler employs two, 3-Port Uni-Directional Couplers, internally connected, in tandem, providing measurement of both forward and reverse power. Ideal for simultaneously monitoring a system's forward and reverse power and for reflectometer measurements. Unlike the Bi-Directional Coupler, the directivity of the Dual Directional Coupler is unaffected by the loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 1.5 - 30 MHz
 Power: 500 W CW
 Coupling: 40 ± 1.0 dB Max.
 Insertion Loss: 0.1 dB Max.
 Flatness: ± 0.25 dB Max.
 VSWR (ML): 1.30:1 Max.
 Directivity: 25 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: 4.0 x 2.0 x 1.88"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6067-10	N Female	N Female	N Female	N Female
C6067-12	N Female	N Female	SMA	SMA
C6067-13	N Female	N Female	BNC	BNC
C6067-102	SMA	SMA	SMA	SMA
C6067-610	N Female	N Male	N Female	N Female
C6067-SP	N Female	N Male	N Female	N Female

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 C6067

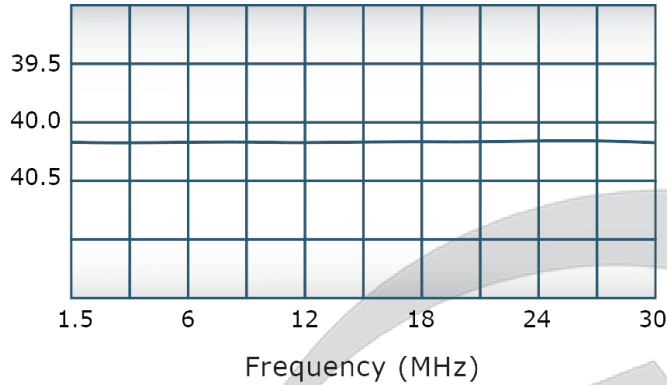


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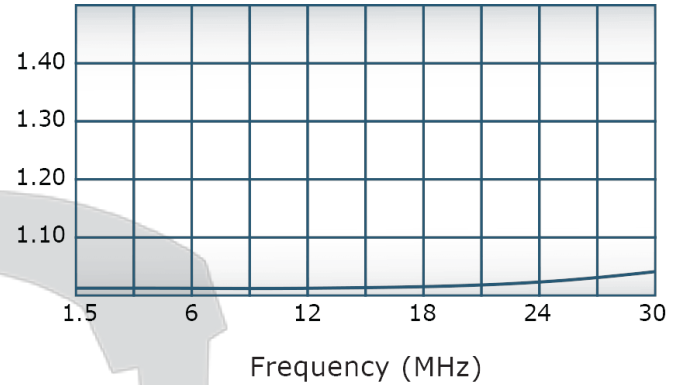
C6067

Performance Data (Specifications subject to change without notice):

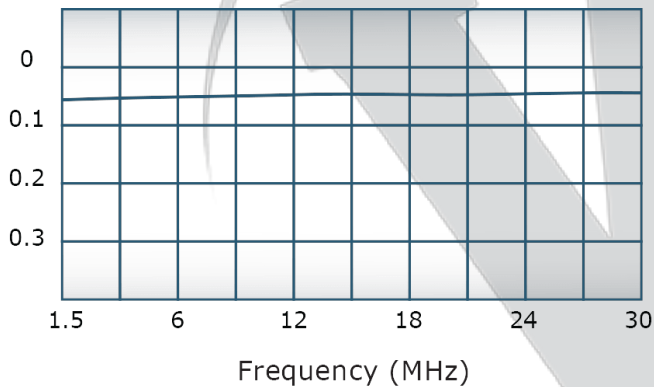
Coupling:



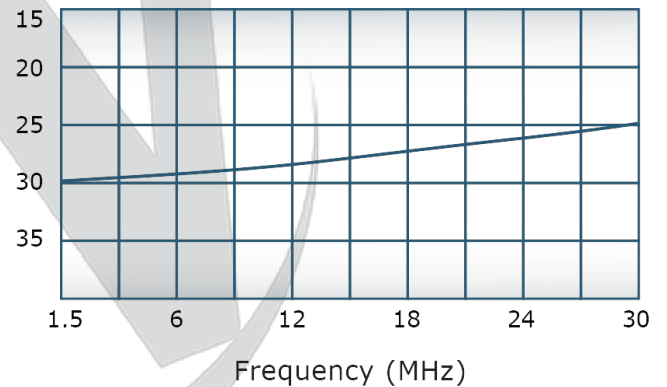
VSWR:



Insertion Loss:



Directivity:

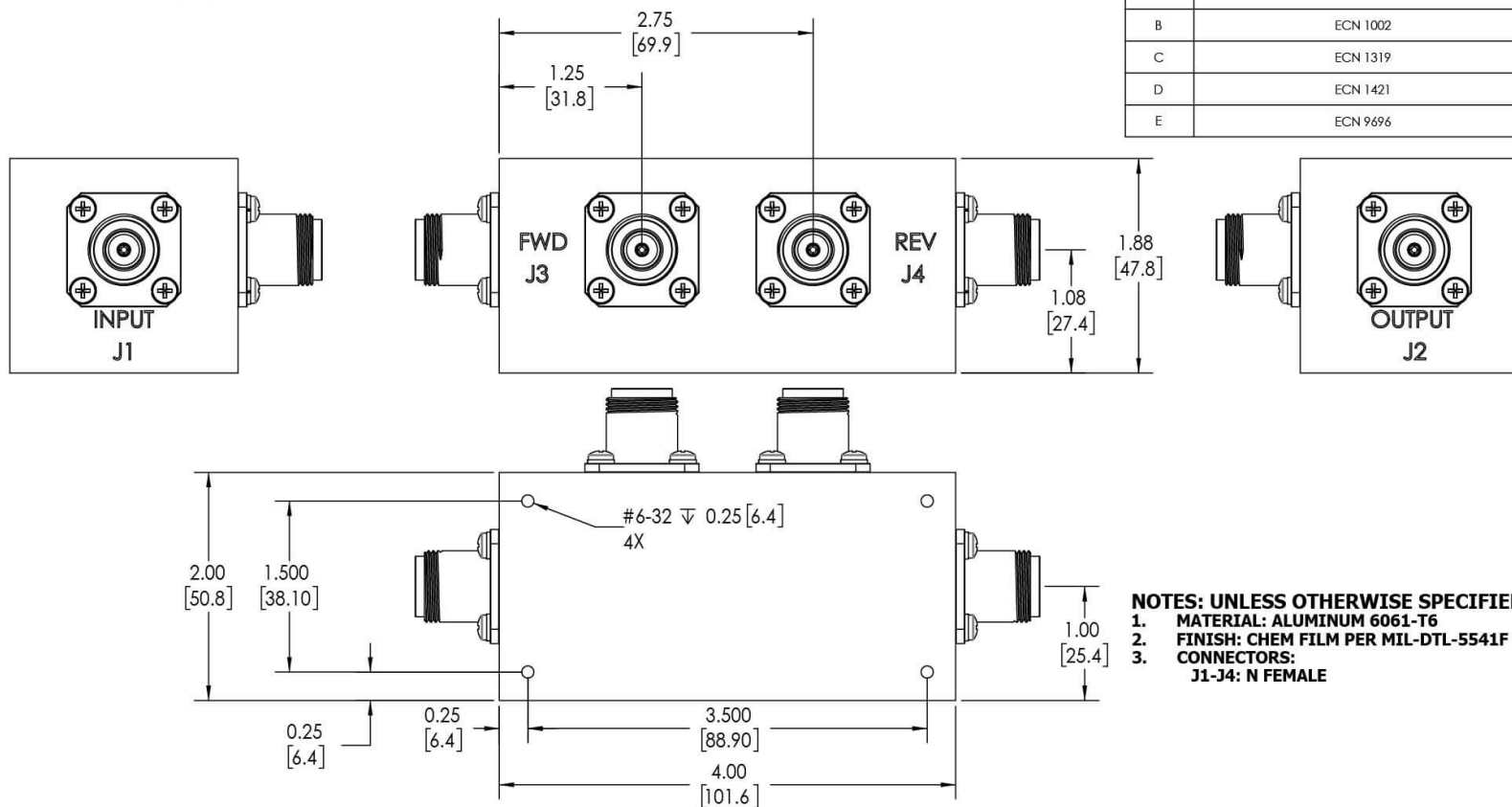


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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 1001	10/86	GW
B	ECN 1002	6/92	DK
C	ECN 1319	4/95	CS
D	ECN 1421	12/96	CS
E	ECN 9696	11/18	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		OWN	DATE	 WERBLANTE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12568		
		INTERPRET: DRAWING 1402 PLS STD-100		SD	2/11/2019				
		DIMENSIONS PER PERM ASH T4-SH-2009		CHK	DATE				
		DIMENSIONAL TOL FOR REF ONLY DIMENSIONS ARE IN INCHES DIMENSIONAL LIMITS APPLY BEFORE PROCESSES TOLERANCES: ANGLES = $\pm 2^\circ$ 3 PL = $\pm .005$ [13] 2 PL = $\pm .015$ [30] REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CONCENTRICITY MACHINED DIA: .002 FIN MACHINE TOOL, HORIZONTAL .003 MAX		CS	2/11/2019		TITLE		
				ENGR	DATE	OUTLINE			
				INFR	DATE		SIZE	CAGE CODE	DWG NO
				QA	DATE		10018-500		REF
				BLSE	DATE		SCALE	1:1	
NEXT ASSY	USED ON	APPLICATION		THIRD ANGLE PROJECTION				SHEET 1 OF 1	

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