



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

Connectorized Directional Couplers

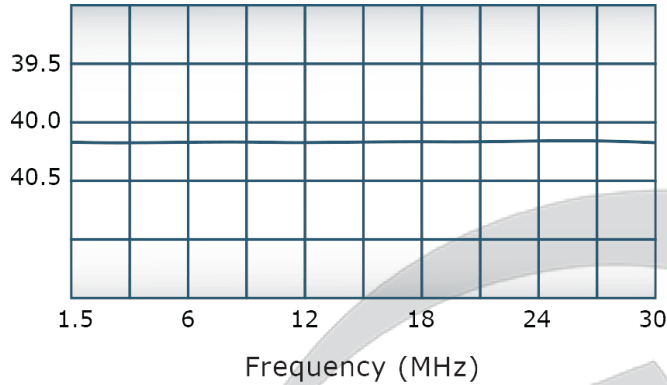


PRODUCT DATA SHEET

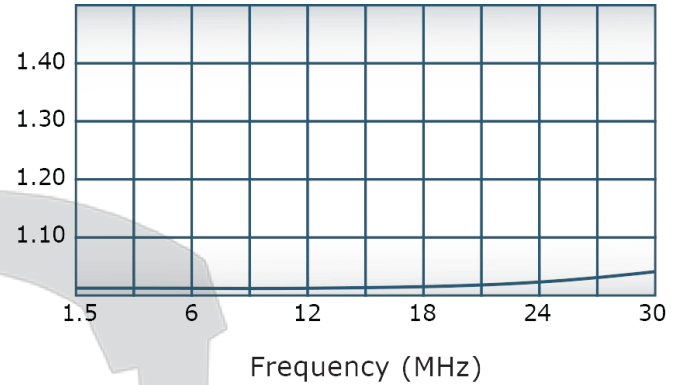
C6067

Performance Data (Specifications subject to change without notice):

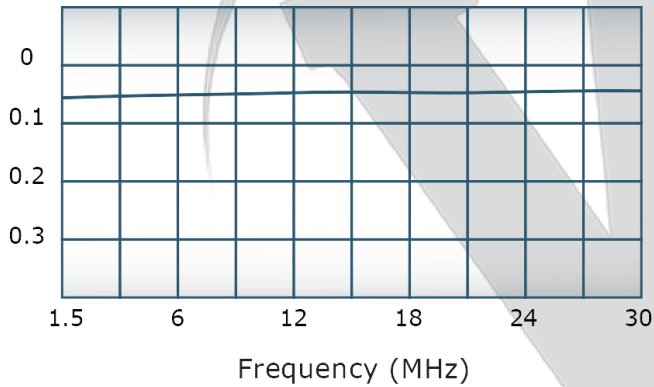
Coupling:



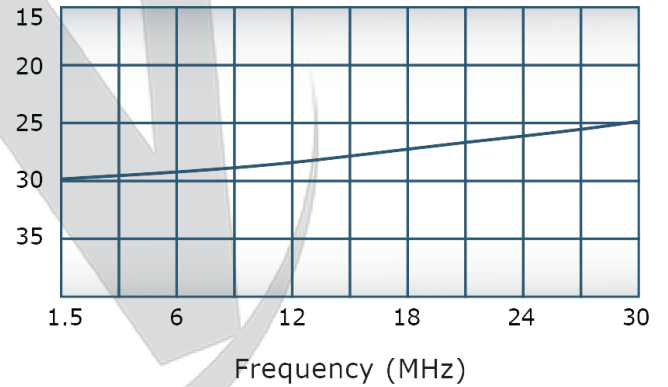
VSWR:



Insertion Loss:



Directivity:

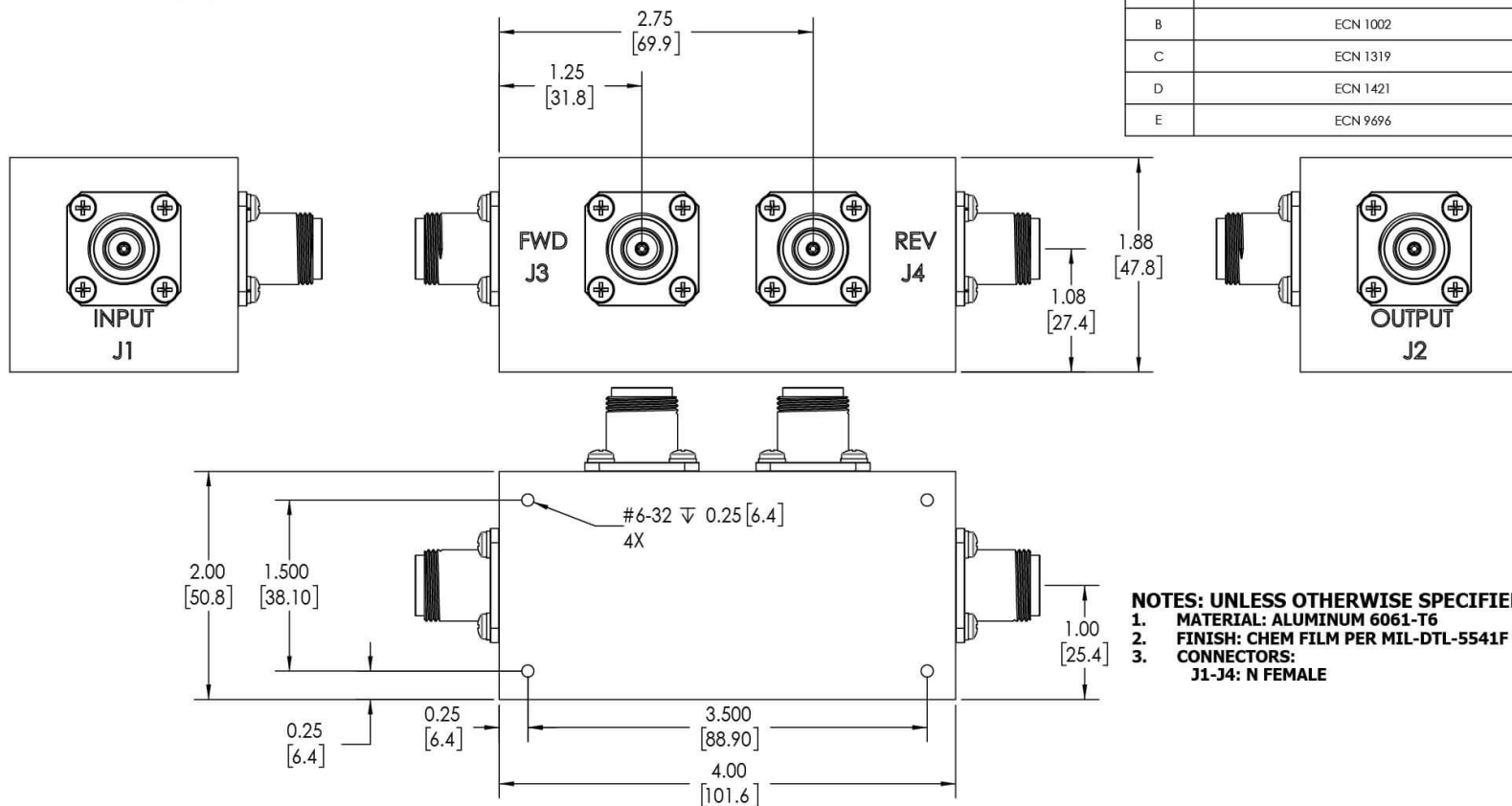


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 1001	10/86	GW
B	ECN 1002	6/92	DK
C	ECN 1319	4/95	CS
D	ECN 1421	12/96	CS
E	ECN 9696	11/18	RB



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		DWN	DATE	 WERLATONE [®] SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
		INTERPRET DRAWING INW MB-STD-100		SD	2/11/2019			
		DIMENSIONING PER ASME Y14.5-2009		CHR	DATE			
		PNEUMATIC DIMS FOR BEST RESULT		CS	2/11/2019			
		DIMENSIONING ARE IN INCHES		ENGR	DATE	TITLE		
		DIMENSIONAL UNITS APPLY BEFORE PROCESSES				OUTLINE		
		TOLERANCES:					SIZE	GAGE CODE
		ANGLES = F		MPGR	DATE		DWGS NO	REV
		3 PL = .005 [13]		QA	DATE		10018-500	E
		2 PL = .015 [30]						
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX						
		CONCENTRICITY MACHINED DIA. .002 FIM						
		MACHINE TOOL PROJECTION .001 MAX						
NEXT ASSY	USED ON	RLSE	DATE	SCALE				
APPLICATION		THIRD ANGLE PROJECTION 		1:1		SHEET 1 OF 1		

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