

PRODUCT DATA SHEET

C8056

4-Port Bi-Directional Coupler: Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency: 500 - 3500 MHz
Power: 100 W CW
Coupling: 30 ± 1.0 dB Max.
Flatness: ± 0.8 dB Max.
Insertion Loss: 0.3 dB Max.
VSWR (ML): 1.20:1 Max.
Directivity: 20 dB Min.

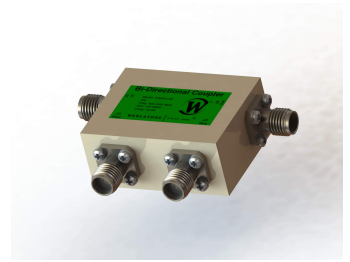
Mechanical Specifications:

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: 1.34 x 1.01 x 0.57"

Port Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C8056-102	SMA	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.

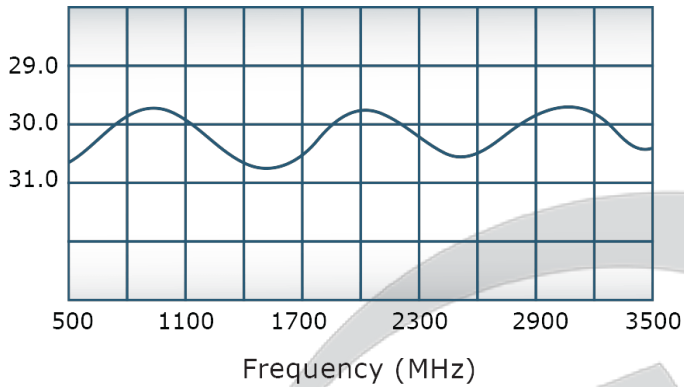


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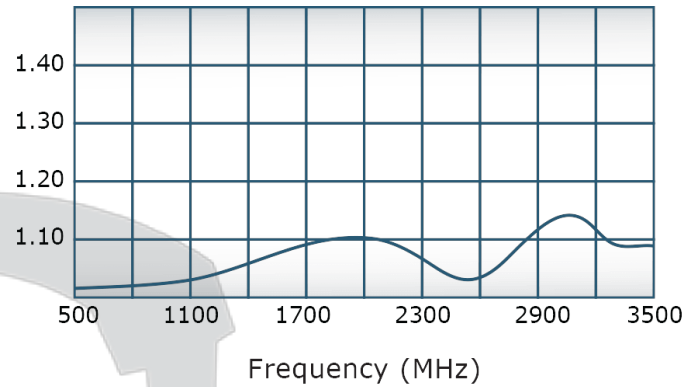
C8056

Performance Data (Specifications subject to change without notice):

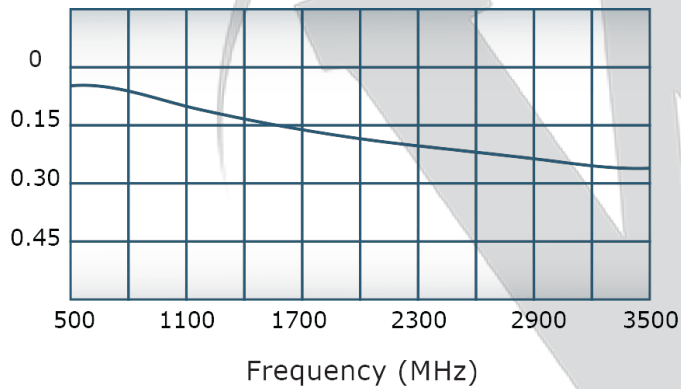
Coupling:



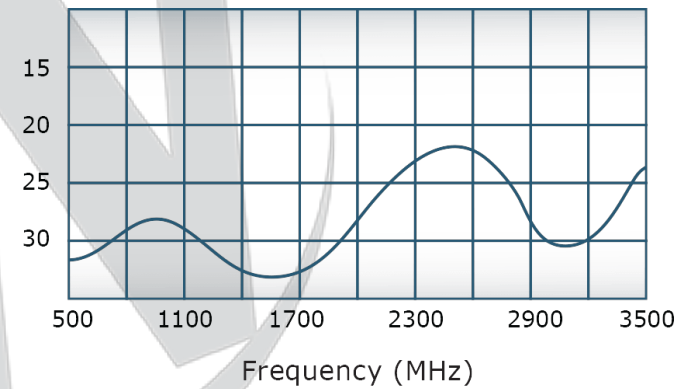
VSWR:



Insertion Loss:



Directivity:

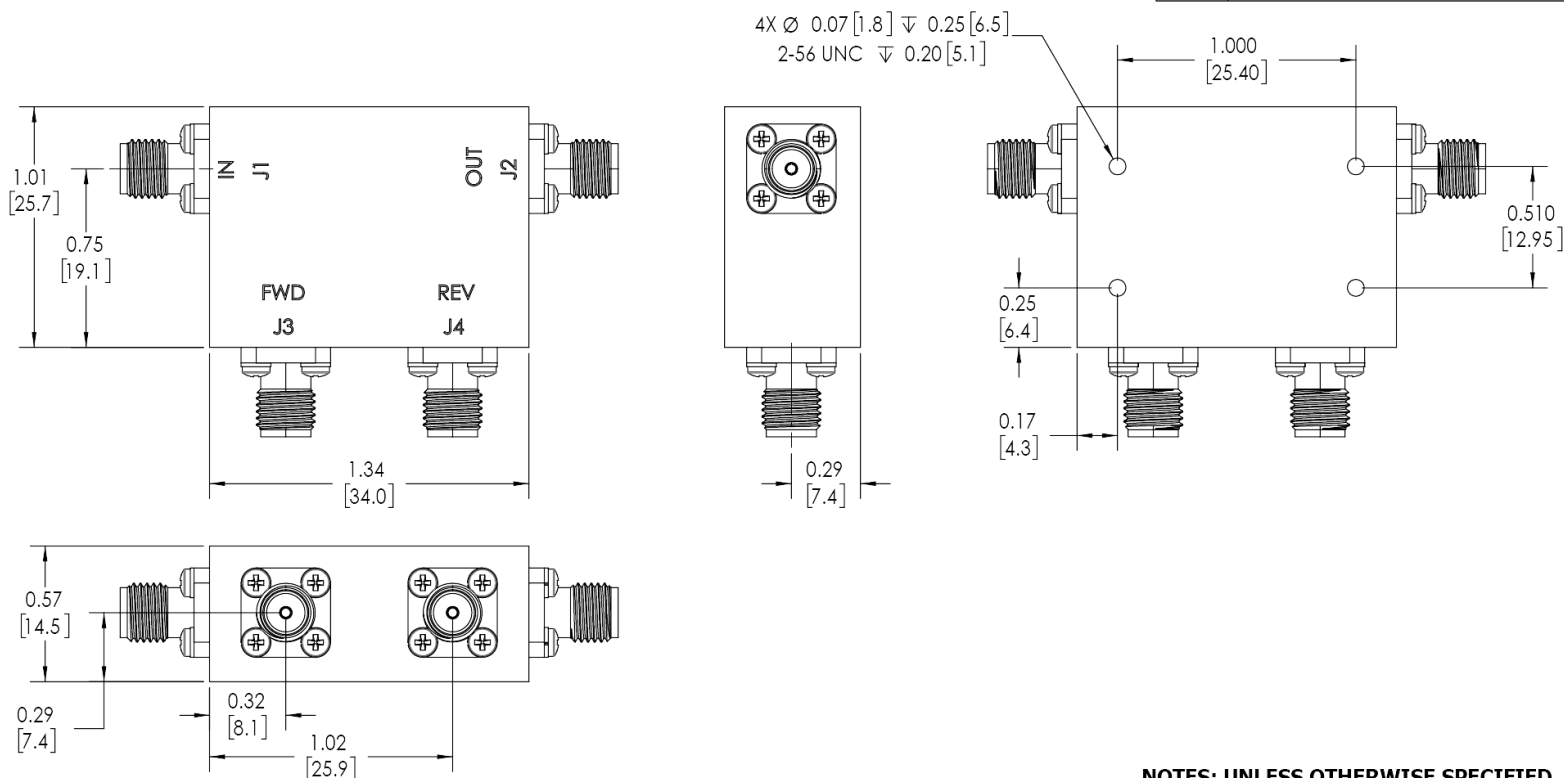


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 5102	3/17/2010	BW
B	ECN 9696	9/27/2019	RB



- NOTES: UNLESS OTHERWISE SPECIFIED**
- MATERIAL: ALUMINUM 6061-T6**
 - FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
 - CONNECTORS: J1-J4: SMA FEMALE**

		UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563			
		SD	9/27/2019	CHK	DATE		TITLE OUTLINE	SIZE CAGE CODE DWG NO. REV 20383-500 B		
		CS	9/27/2019	ENGR	DATE				SCALE: 2:1	SHEET 1 OF 1
		INPR	DATE	QA	DATE					
NEXT ASSY USED ON		RLSE	DATE							
APPLICATION		THIRD ANGLE PROJECTION								

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