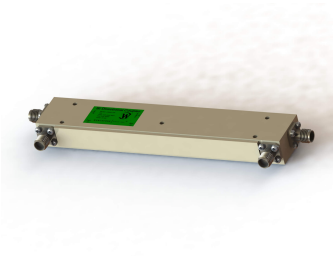
WERLATONE

Model C8060
Connectorized Directional Couplers



PRODUCT DATA SHEET **C8060**

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:	200 - 6000 MHz
Power:	200 W CW
Coupling:	20 ± 1.0 dB Max.
Insertion Loss:	0.55 dB Max. (200-2000 MHz), 1.1 dB Max. (2000-6000 MHz)
Flatness:	± 1.75 dB Max. (200-2000 MHz), ± 2.25 dB Max. (2000-6000 MHz)
VSWR (ML):	1.25:1 Max. (200-2000 MHz), 1.40:1 Max. (2000-6000 MHz)
Directivity:	18 dB Min. (200-2000 MHz), 14 dB Min. (2000-6000 MHz)

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Suface 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:	4.8 x 0.88 x 0.5''
Weight:	3.5 oz. / 99 grams

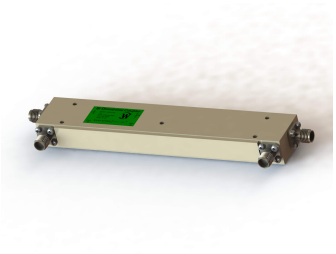
Connector Configurations:

Model	**Input (J1)**	**Output (J2)**	**Fwd (J3)**	**Rev (J4)**
C8060-102	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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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

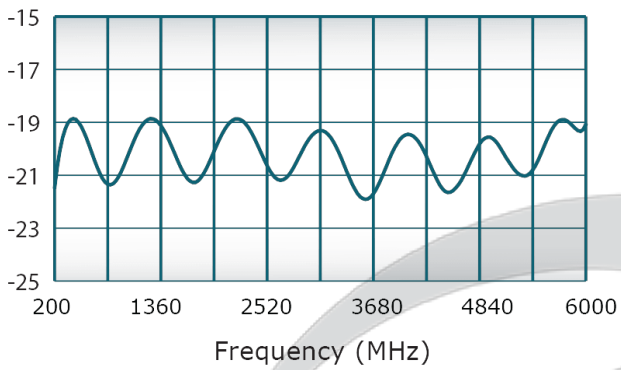
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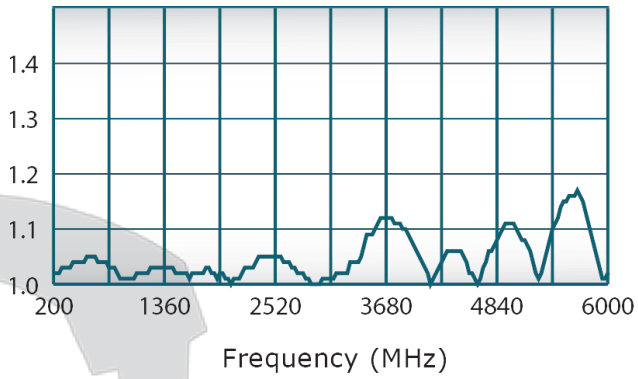
PRODUCT DATA SHEET **C8060**

Performance Data (Specifications subject to change without notice):

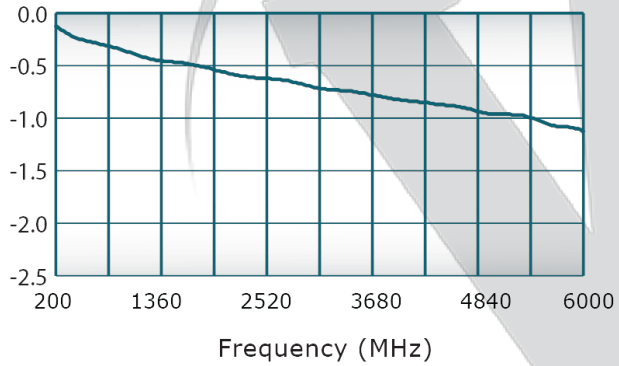
Coupling:



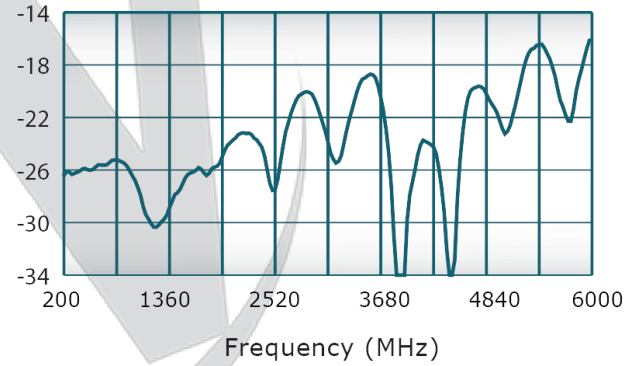
VSWR:



Insertion Loss:



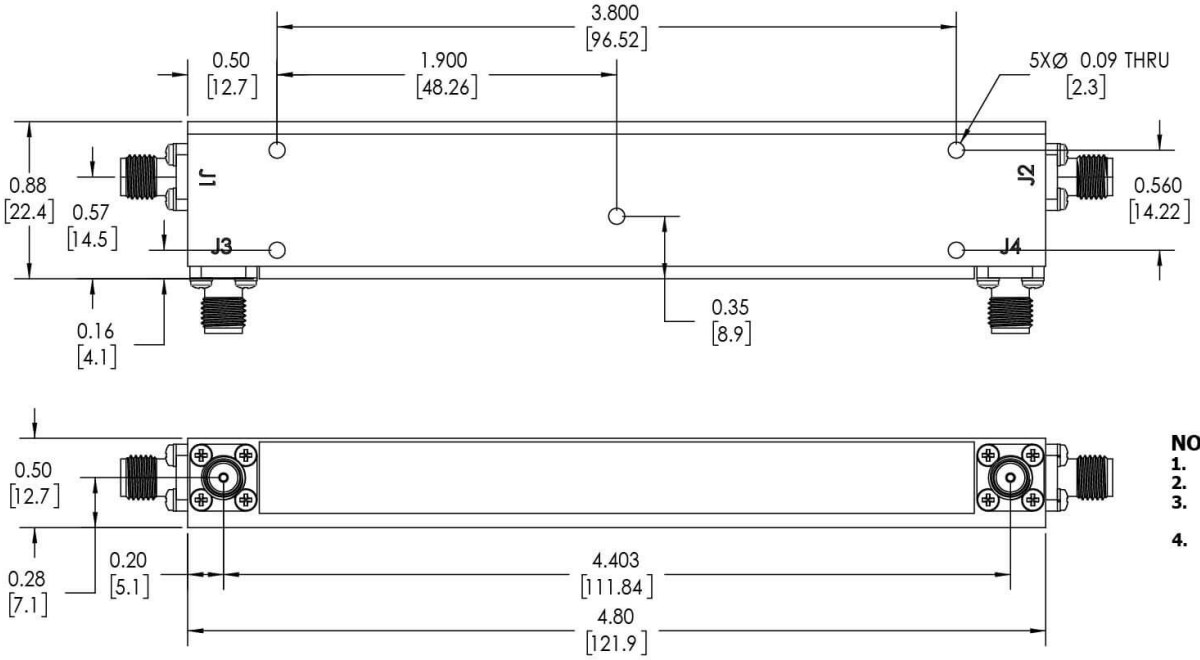
Directivity:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 4750	3/24/09	BW
B	ECN 9696	3/25/19	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: SMA FEMALE
4. **J1 - INPUT**
   J2 - OUTPUT
   J3 - FWD
   J4 - REV

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW MIL-STD-100
- DIMENSIONING PER ASME Y14.5M-2009
- PARENTHETICAL INFO FOR REF ONLY
- DIMENSIONS ARE IN INCHES
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- TOLERANCES:
  ANGLES ± 2°
  3 PL ± .005 [.13]
  2 PL ± .015 [.38]
- REMOVE ALL BURRS AND SHARP EDGES R.01 MAX
- CONCENTRICITY MACHINED DIA: .002 FIM
- MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

DWN	SD	3/25/2019
CHK	CS	3/25/2019
ENGR		
MFGR		
QA		
RLSE		

WERLATONE| SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B		20496-500	B

SCALE 1.5:1 SHEET 1 OF 1

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