
**PRODUCT DATA SHEET**
**C5263**

**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:      80 -220 MHz  
 Power:          3000 W CW  
 Coupling:       50 ± 1.0 dB Max.  
 Insertion Loss: 0.1 dB Max.  
 Flatness:       ± 0.5 dB Max.  
 VSWR (ML):    1.10:1 Max.  
 Directivity:     20 dB Min.

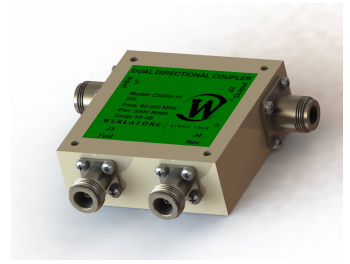
**Mechanical Specifications:**

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:              3.0 x 3.0 x 1.09"

**Connector Configurations:**

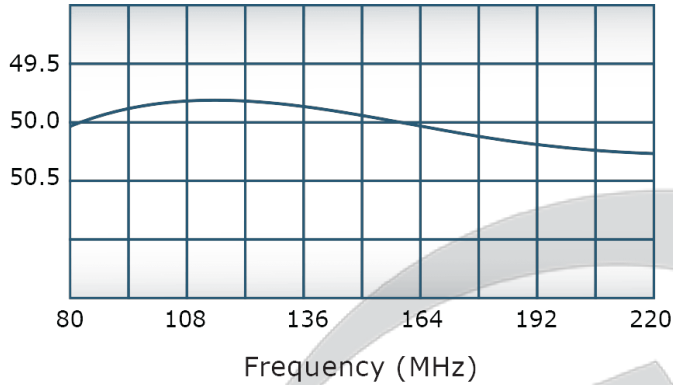
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C5263-10	N Female	N Female	N Female	N Female
C5263-12	N Female	N Female	SMA	SMA
C5263-20*	7/16 Female	7/16 Female	N Female	N Female
C5263-22*	7/16 Female	7/16 Female	SMA	SMA
C5263-23*	7/16 Female	7/16 Female	BNC	BNC
C5263-43	SC Female	SC Female	SMA	SMA
C5263-627*	7/16 Female	7/16 Male	N Female	N Female
C5263-727*	7/16 Male	7/16 Female	N Female	N Female
C5263-728*	7/16 Male	7/16 Female	SMA	SMA

\*Starred options are 3.0 x 3.0 x 1.59"

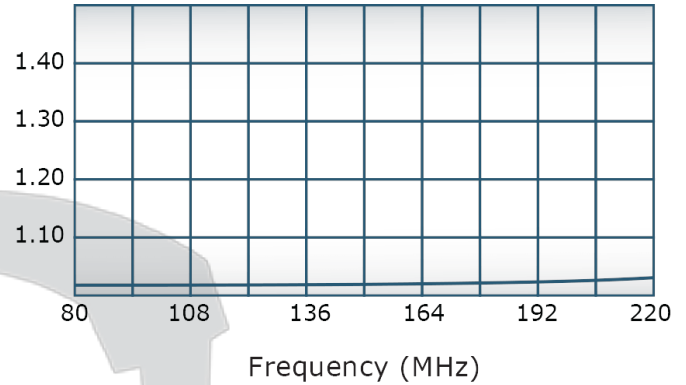


## Performance Data (Specifications subject to change without notice):

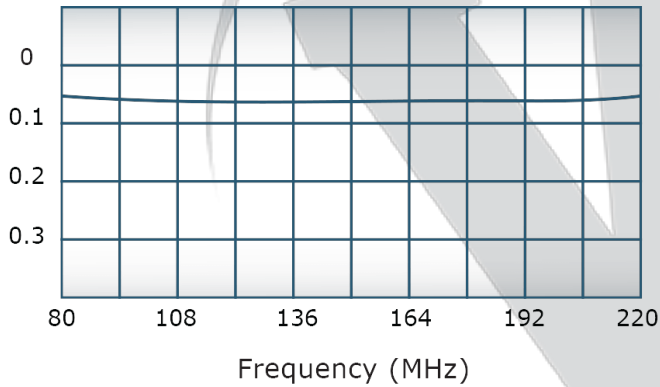
Coupling:



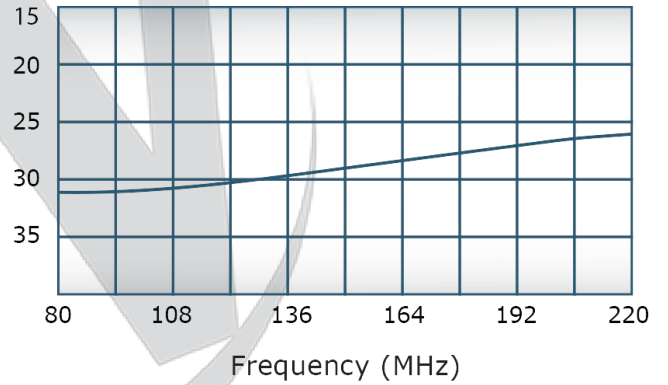
VSWR:



Insertion Loss:



Directivity:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/27/18	RB

- NOTES: UNLESS OTHERWISE SPECIFIED**
- MATERIAL: ALUMINUM 6061-T6**
  - FINISH: CHEM FILM PER MIL-DTL\_5541F TYPE I CLASS 3 (YELLOW IRIDITE)**

UNLESS OTHERWISE SPECIFIED		OWN	DATE	<b>WERLATONE SINCE 1965</b> 17 Jon Barrett Rd Patterson, NY 12563
• INTERPRET DRAWING (AWW MIL-STD-100) • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHESES INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES: ± 2° 3 PL. ± .005 (1.3) 2 PL. ± .015 (1.3) • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL IMPACT: .003 MAX		CHK	DATE	
NEXT ASSY		ENGR	DATE	TITLE
USED ON		MFG	DATE	<b>OUTLINE</b>
APPLICATION		QA	DATE	SIZE
THIRD ANGLE PROJECTION		RELEASE	DATE	CAGE CODE
		SCALE		DAWG NO
		1:1		10379-505
		SHEET 1 OF 1		REV
				A

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