

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:

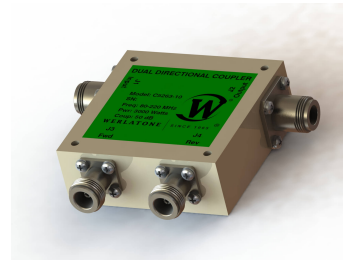
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C5263-10	N Female	N Female	N Female	N Female
C5263-12	N Female	N Female	SMA	SMA
C5263-20*	7/16 Female	7/16 Female	N Female	N Female
C5263-22*	7/16 Female	7/16 Female	SMA	SMA
C5263-23*	7/16 Female	7/16 Female	BNC	BNC
C5263-43	SC Female	SC Female	SMA	SMA
C5263-627*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



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Model C5263

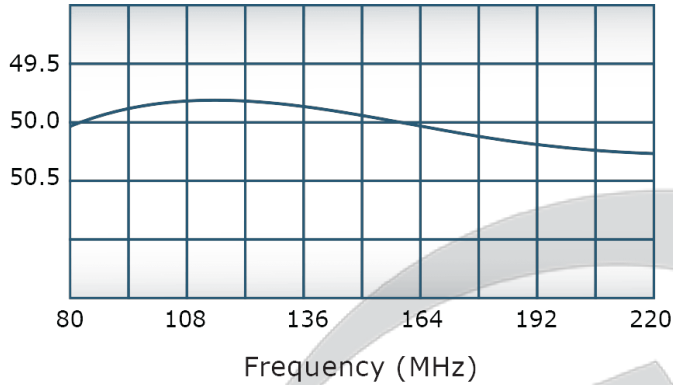


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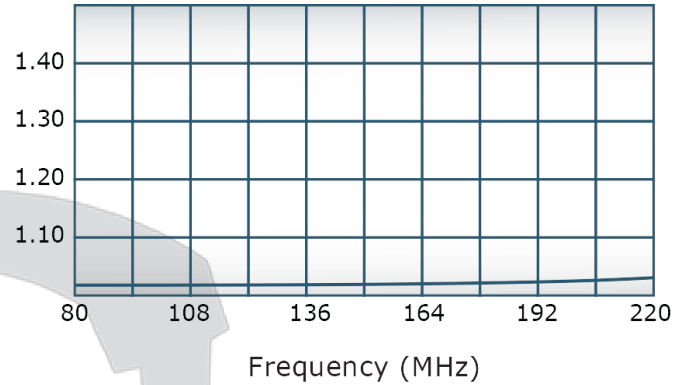
C5263

Performance Data (Specifications subject to change without notice):

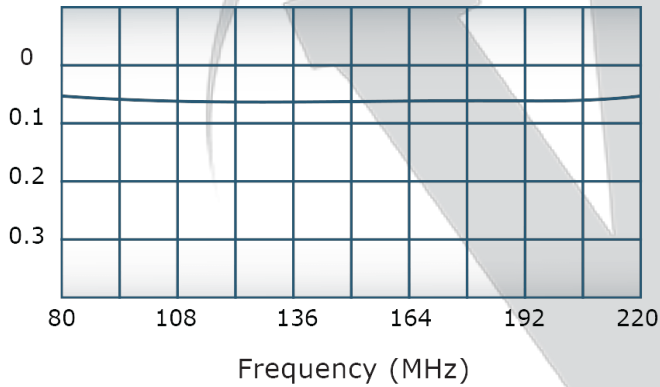
Coupling:



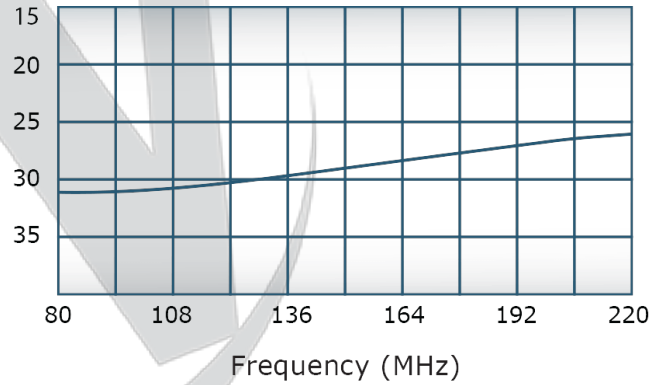
VSWR:



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

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)

		UNLESS OTHERWISE SPECIFIED				DWN	DATE	 WERLATONE® SINCE 1965	17 Jon Barrett Rd Patterson, NY 12568			
		• INTERPRET DRAWING AS PER-STD-100				RH	7/5/2001					
		• DIMENSIONING PER ASME Y14.5M-2009				CHK	DATE					
		• ARCHITECTURAL UNITS FOR KEY ONLY							TITLE			
		• DIMENSIONS ARE IN INCHES				BNGR	DATE					
		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES				MJ	7/5/2001					
		• TOLERANCES:				RFR	DATE					
		ANGLES ± 2° 2 PL ± .002 [13] 3 PL ± .005 [38]				QA		SIZE	CAGE CODE	DWG NO.	RH	
		• REMOVE ALL BURS AND SHARP EDGES R.25 MIN										
		• CONCENTRICITY MACHINED DIA. .002 FIM										
		• MACHINE TOOL REGISTRATION .002 MAX										
NEXT ASSY	USED ON					RLSE	DATE	B	10379-505		SHEET 1 OF 1	
APPLICATION		THIRD ANGLE PROJECTION 						SCALE	1:1			

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