


**PRODUCT DATA SHEET**
**C5134**

**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:      10 - 55 MHz  
 Power:          20,000 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:     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:              6.0 x 3.0 x 2.24"

**Connector Configurations:**

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C5134-30	LC Female	LC Female	N Female	N Female
C5134-33	LC Female	LC Female	BNC	BNC
C5134-503	SQS Female	SQS Female	BNC	BNC
C5134-7501	SQS Male	SQS Female	N Female	N Female
C5134-7503	SQS Male	SQS Female	BNC	BNC
C5134-QC-4	QC Block	SQS Female	BNC	BNC

**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.

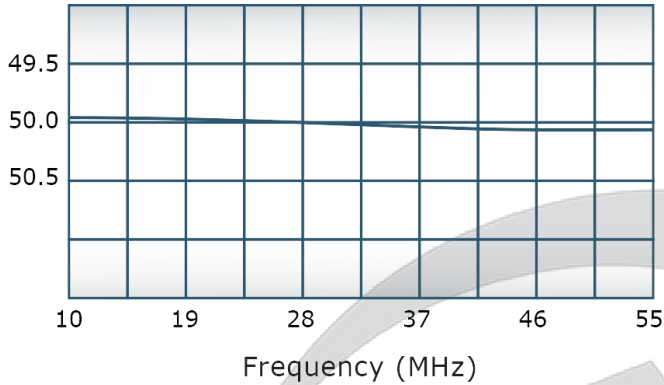


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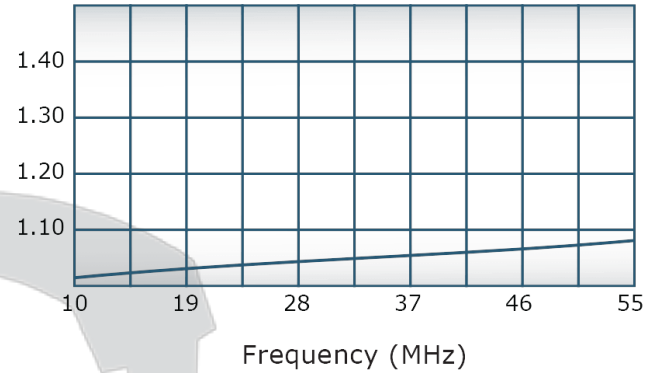
C5134

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

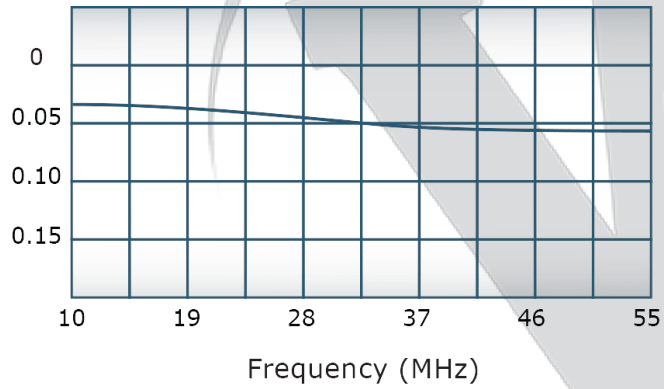
Coupling:



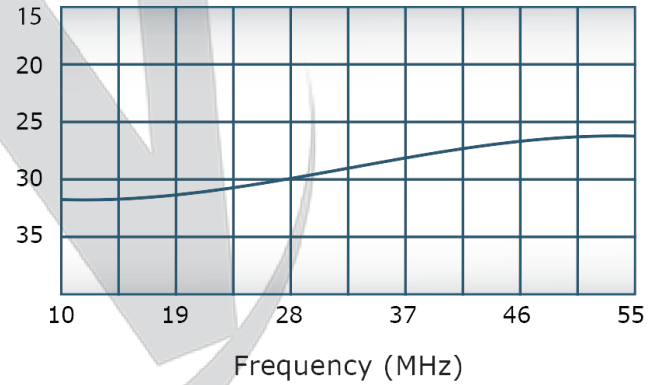
VSWR:



Insertion Loss:



Directivity:



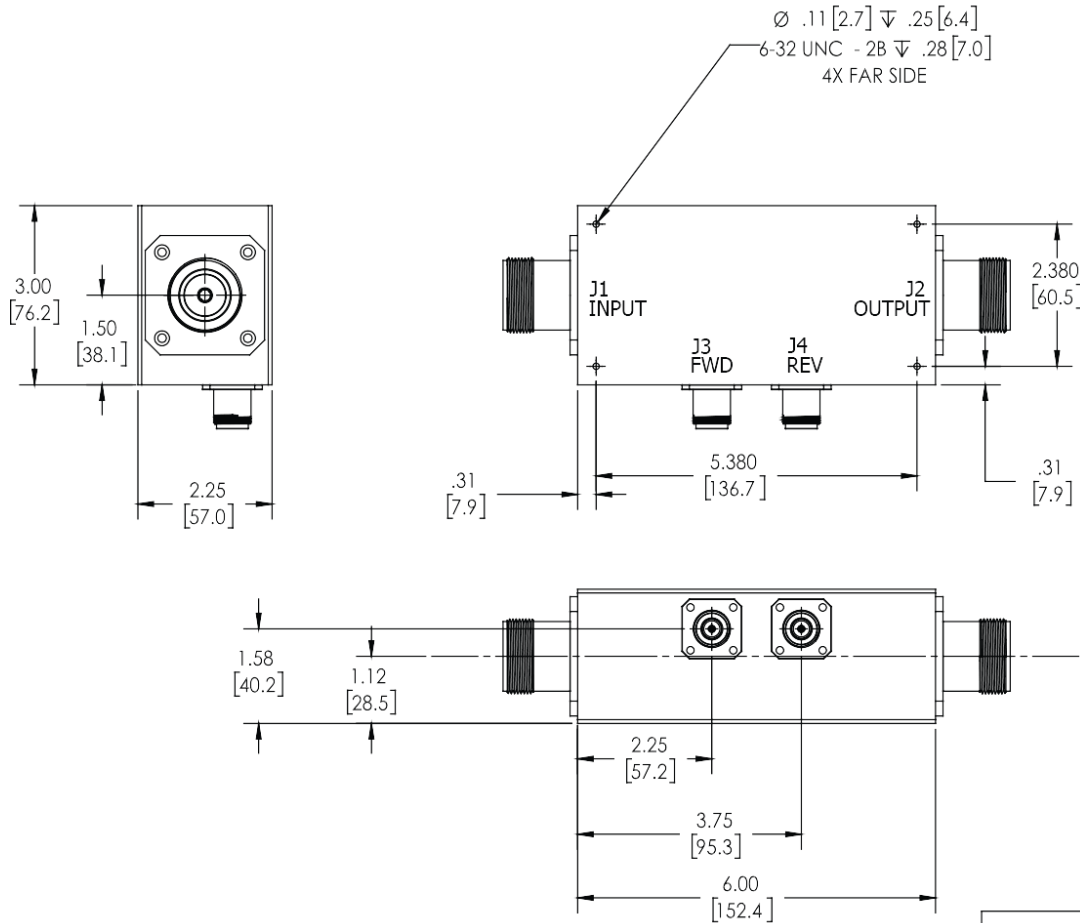
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	10/29/2018	CS



UNLESS OTHERWISE SPECIFIED		OWN	DATE	<b>WERLATONE SINCE 1965</b> 17 Jon Barrett Rd Patterson, NY 12563
<ul style="list-style-type: none"> <li>• INTERPRET DRAWING JAW MIL-STD-100</li> <li>• DIMENSIONING PER ASME Y14.3M-2009</li> <li>• PRIORITIZED DIMS FOR REF ONLY</li> <li>• DIMENSIONS ARE IN INCHES (mm)</li> <li>• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES</li> <li>• TOLERANCES:</li> </ul>		PLP	10/25/2018	
		CHK	DATE	TITLE
		CS	10/29/2018	
		ENGR	DATE	SIZE CASE CODE DWG NO
		MFR	DATE	B 28812 10396-500
		QA	DATE	REV
		RLSE	DATE	-
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION		SCALE 1:2 SHEET 1 OF 1
APPLICATION				

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