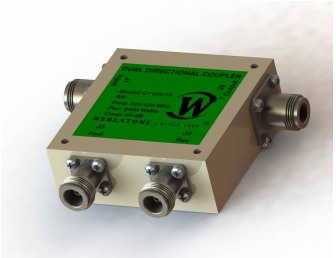
WERLATONE

Model C7134
Connectorized Directional Couplers



PRODUCT DATA SHEET **C7134**

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:	125 - 130 MHz
Power:	2000 W CW
Coupling:	60 ± 1.0 dB Max.
Insertion Loss:	0.15 dB Max.
Flatness:	± 0.5 dB Max.
VSWR (ML):	1.20:1 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:	3.0 X 3.0 X 1.09''

Connector Configurations:

Model	**Input (J1)**	**Output (J2)**	**Fwd (J3)**	**Rev (J4)**
C7134-10	N Female	N Female	N Female	N Female
C7134-12	N Female	N Female	SMA	SMA
C7134-13	N Female	N Female	BNC	BNC
C7134-20	7/16 Female	7/16 Female	N Female	N Female
C7134-22	7/16 Female	7/16 Female	SMA	SMA
C7134-23	7/16 Female	7/16 Female	BNC	BNC
C7134-102	SMA	SMA	SMA	SMA
C7134-727	7/16 Male	7/16 Female	N Female	N Female

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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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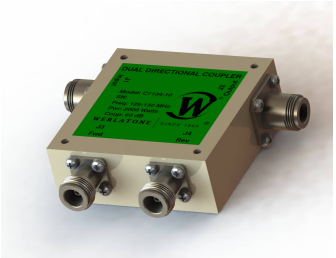
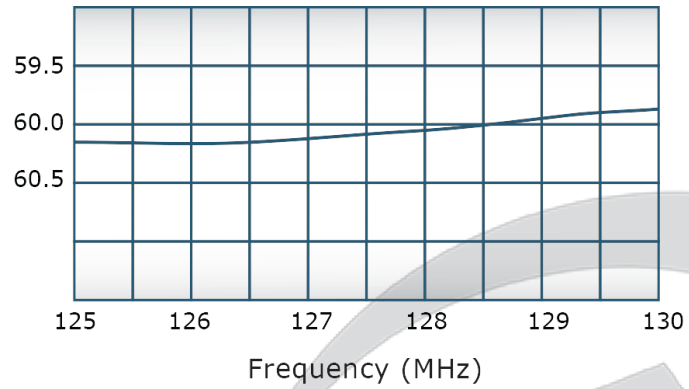
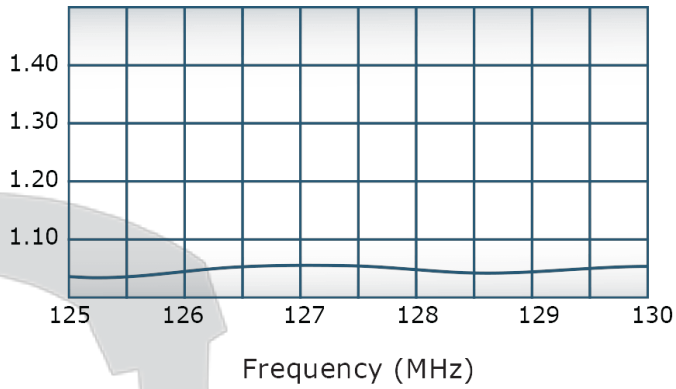


Performance Data (Specifications subject to change without notice):

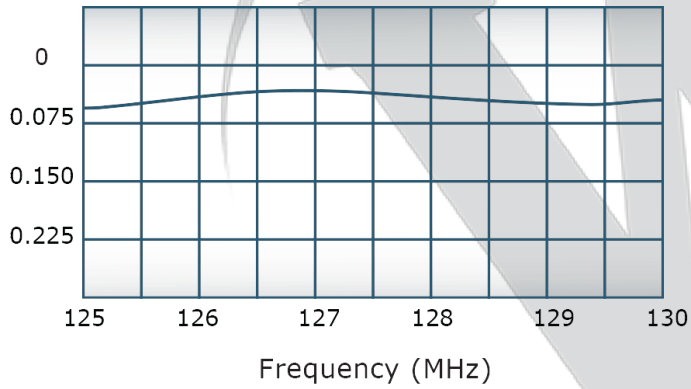
Coupling:



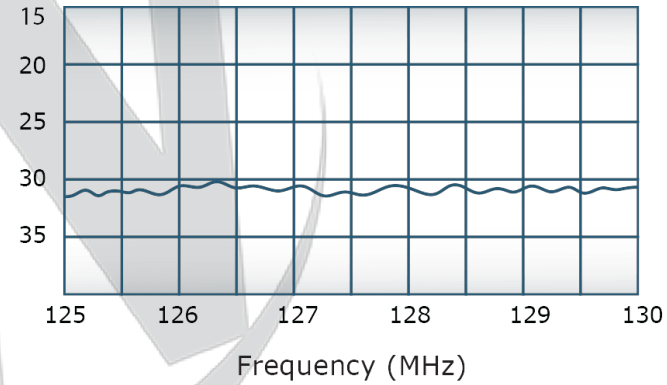
VSWR:



Insertion Loss:



Directivity:



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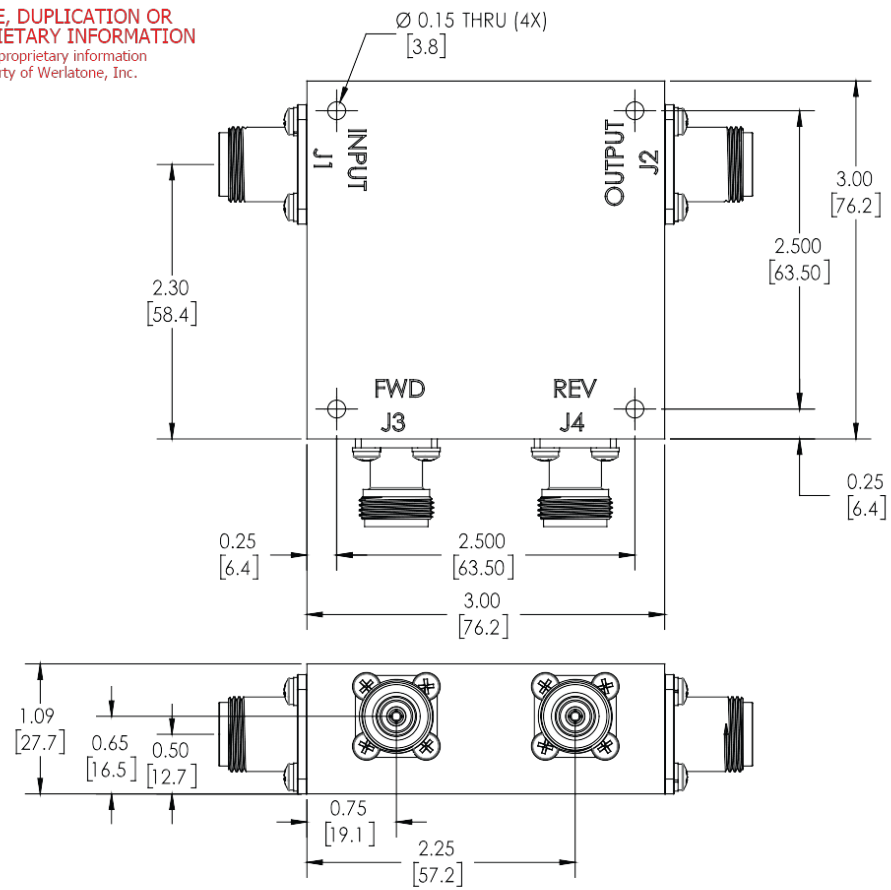

REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/27/18	RB

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 12563
		• 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 ID/A: .002 FIM • MACHINE TOOL MISMATCH .003 MAX	RH	7/5/2001	TITLE	
			CHK	DATE	OUTLINE	
			ENGR	DATE		
			MJ	7/5/2001		
			MFGR	DATE		
			QA	DATE		
NEXT ASSY	USED ON		RLSE	DATE		
APPLICATION		THIRD ANGLE PROJECTION			SIZE B / CAGE CODE / DWG NO 10379-505 / REV A	
					SCALE 1:1	SHEET 1 OF 1

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