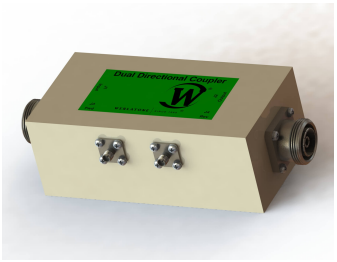
WERLATONE

Model C5954
Connectorized Directional Couplers



PRODUCT DATA SHEET **C5954**

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 - 200 MHz
Power:	10,000 W CW
Coupling:	60 ± 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)
C5954-20*	7/16 Female	7/16 Female	N Female	N Female
C5954-23*	7/16 Female	7/16 Female	BNC	BNC
C5954-30	LC Female	LC Female	N Female	N Female
C5954-32	LC Female	LC Female	SMA	SMA
C5954-33	LC Female	LC Female	BNC	BNC
C5954-61**	HN Female	HN Female	N Female	N Female
C5954-63**	HN Female	HN Female	SMA	SMA
C5954-64**	HN Female	HN Female	BNC	BNC
C5954-501	SQS Female	SQS Female	N Female	N Female
C5954-503	SQS Female	SQS Female	BNC	BNC
C5954-QC-0	QC Block	QC Block	N Female	N Female

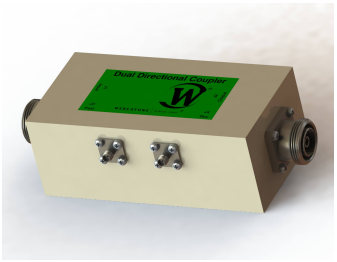
*** Power Rating is decreased to 5,000 W CW with 7/16 Mainline Connectors. **Unit dimensions are 6.0 x 3.0 x 2.25''**

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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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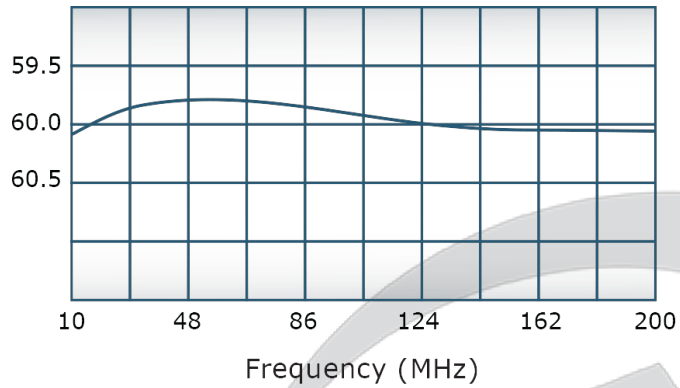
Model C5954
Connectorized Directional Couplers



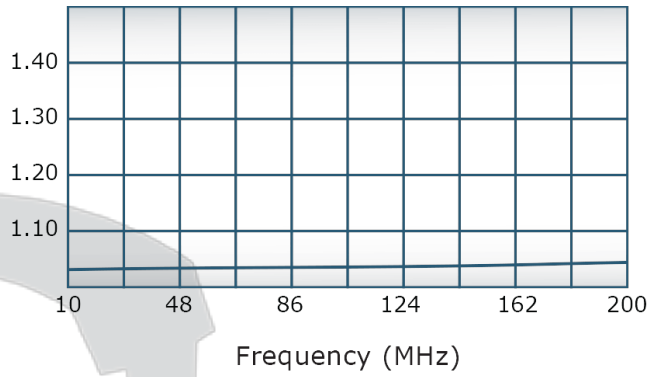
PRODUCT DATA SHEET **C5954**

Performance Data (Specifications subject to change without notice):

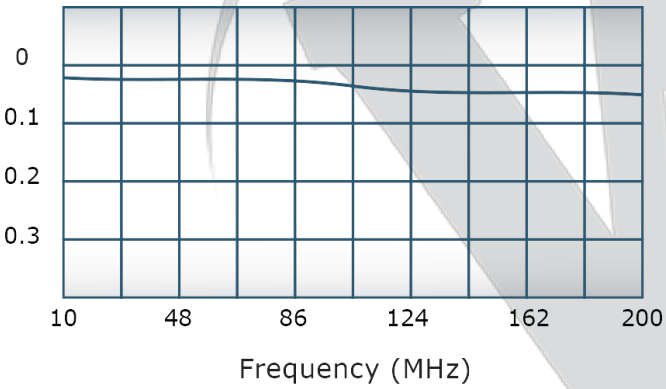
Coupling:



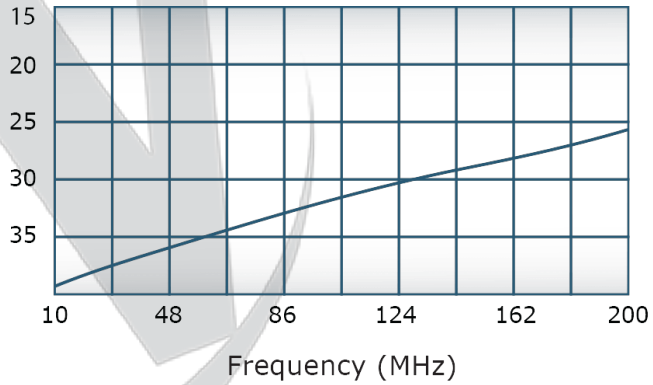
VSWR:



Insertion Loss:



Directivity:



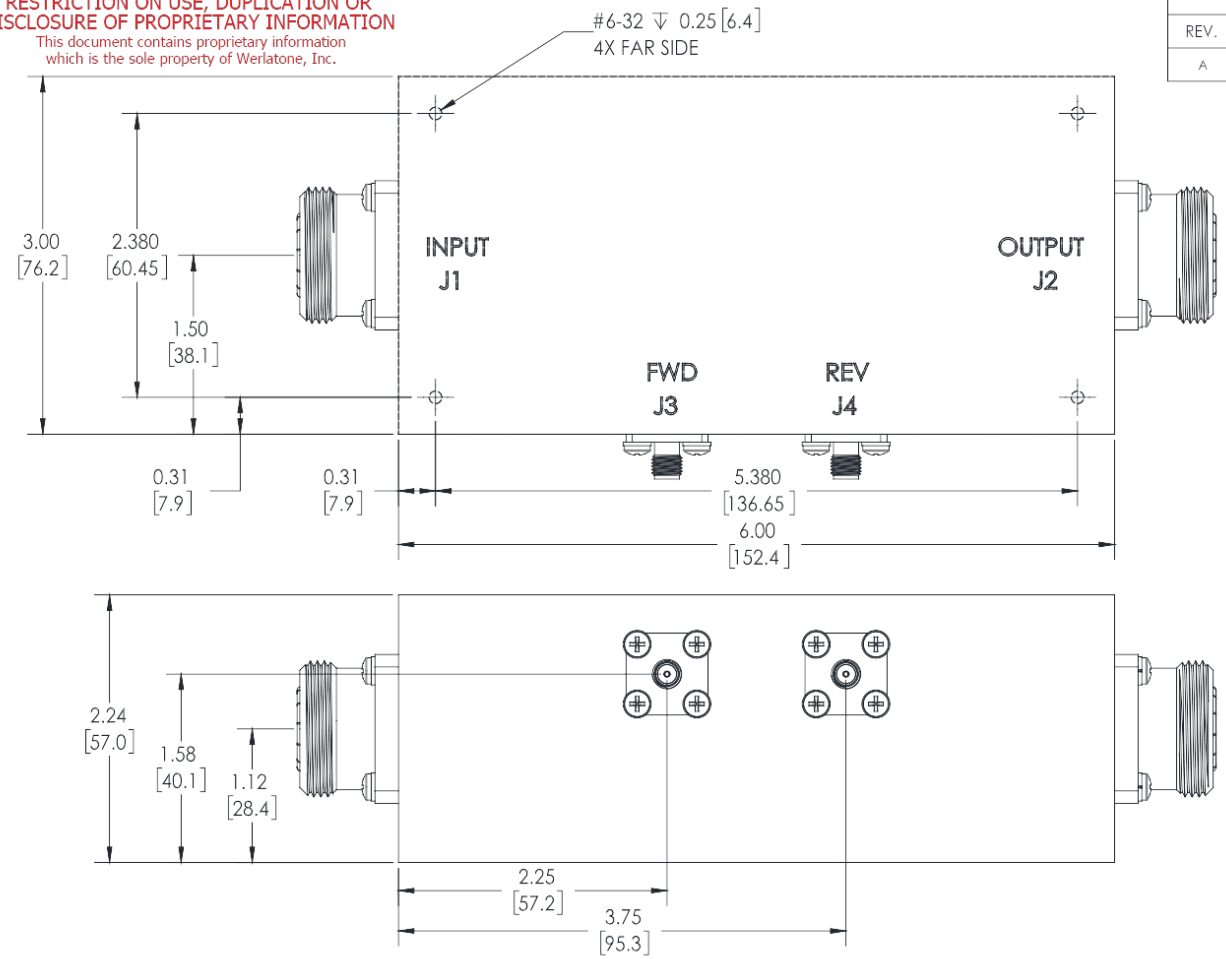
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/28/18	RB



NOTES: UNLESS OTHERWISE SPECIFIED

1. **MAT'L: ALUMINUM 6061-T6**
2. **FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
3. **CONNECTORS:**
   J1, J2: 7/16 FEMALE
   J3, J4: SMA FEMALE

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°
  2 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

		DATE
DWN	SD	2/11/2019
CHK		DATE
	CS	2/11/2019
ENGR		DATE
MFGR		DATE
QA		DATE
RLSE		DATE

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE
OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B		10396-502	A

SCALE 1:1 SHEET 1 OF 1

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