

**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:**

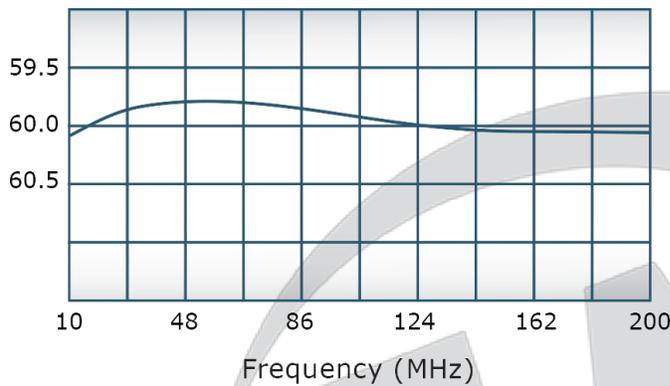
Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C5954-20*	7/16 Female	7/16 Female	N Female	N Female
C5954-23*	7/16 Female	7/16 Female	BNC	BNC
C5954-30	LC Female	LC Female	N Female	N Female
C5954-32	LC Female	LC Female	SMA	SMA
C5954-33	LC Female	LC Female	BNC	BNC
C5954-61**	HN Female	HN Female	N Female	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"

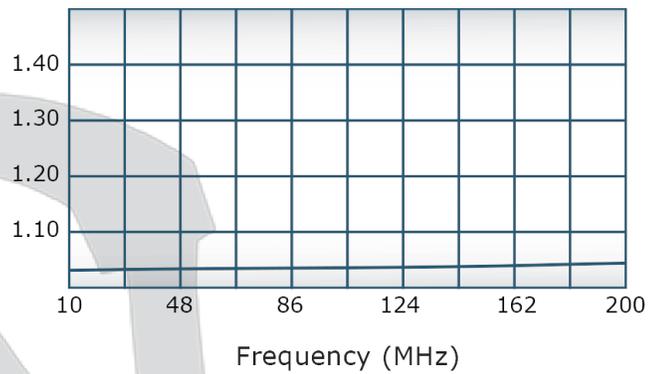


## Performance Data (Specifications subject to change without notice):

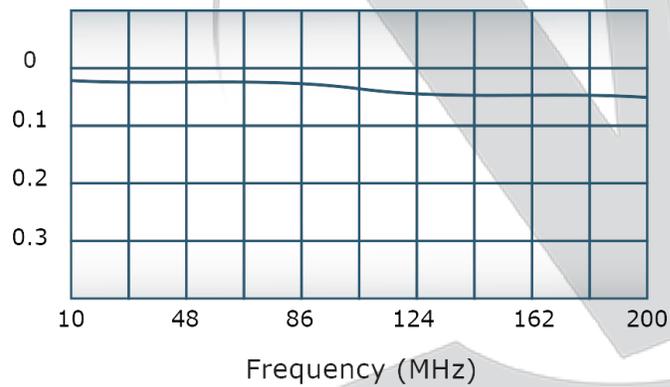
Coupling:



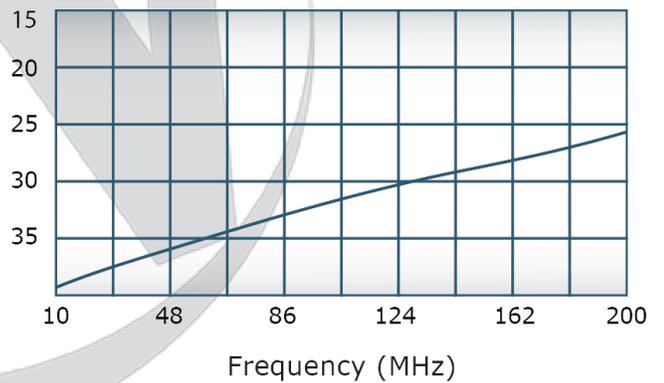
VSWR:



Insertion Loss:



Directivity:



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