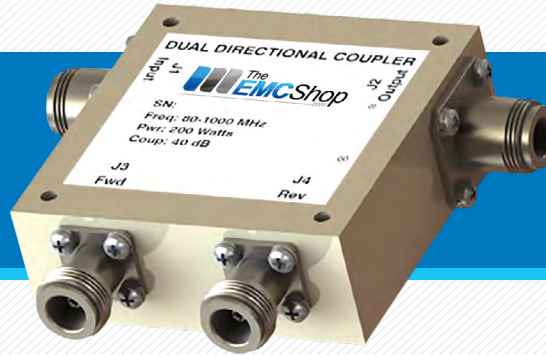


MODEL NUMBER:
DC1G-200
**4-PORT DUAL
DIRECTIONAL COUPLER**



OVERVIEW

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

SPECIFICATIONS

Type	DUAL
Coupling (dB)	40
Start Frequency (MHz)	80
Stop Frequency (MHz)	1000
Power (Watts CW)	200
Flatness (+/- dB)	0.3
Insertion Loss (dB)	0.2
VSWR (ML)	1.20:1
Directivity (dB)	20
Size (inches)	3.0 x 3.0 x 1.09

MECHANICAL SPECIFICATIONS

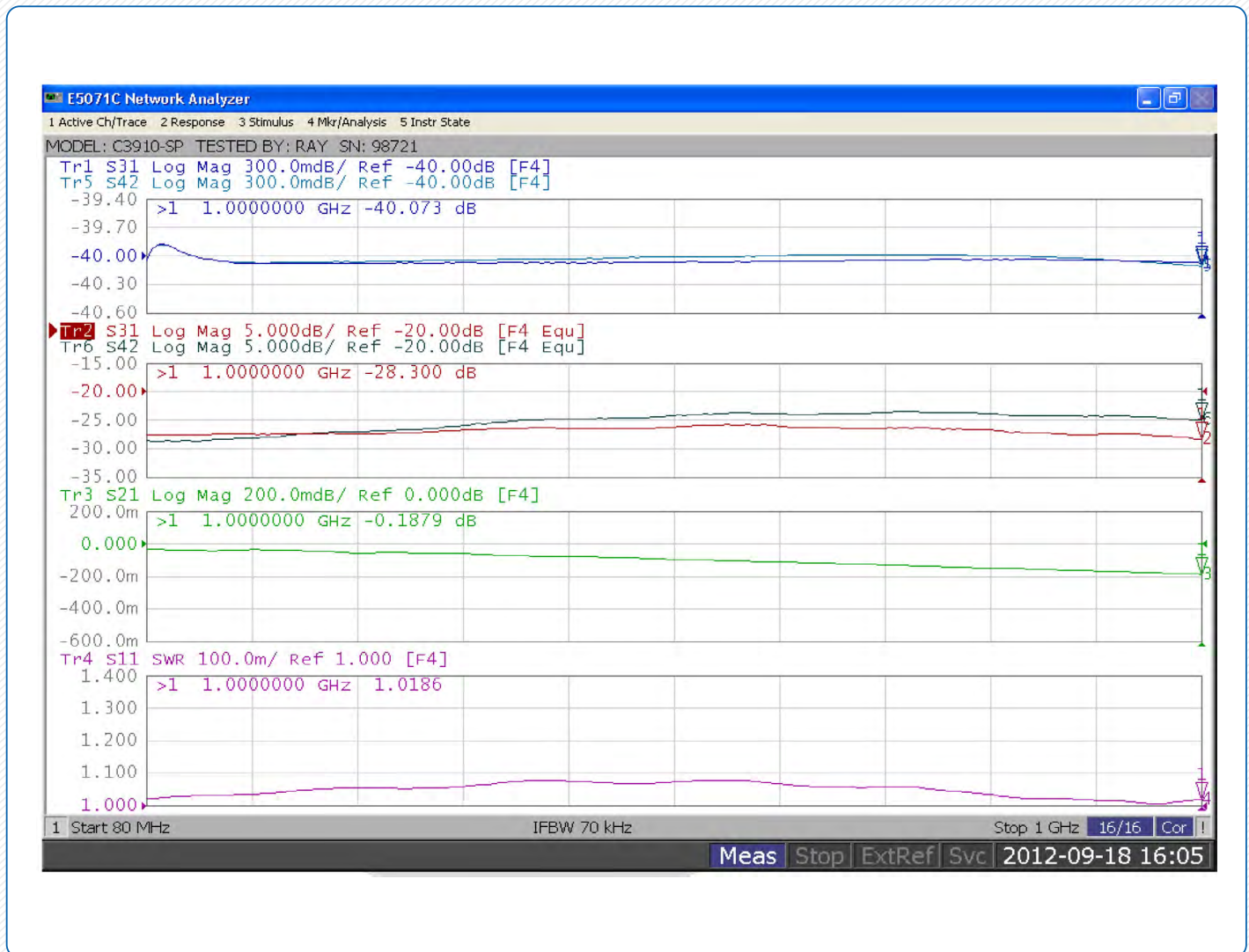
Type	Connectorized
Material	Aluminum 6061-T6
Surface Finish	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature	-55°C to +75°C
Storage Temperature	-60°C to +85°C
Humidity	95% Non-Condensing
Size	3.0 x 3.0 x 1.09"

CONNECTOR CONFIGURATIONS

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
DC1G-200-10	N Female	N Female	N Female	N Female
DC1G-200-12	N Female	N Female	SMA	SMA
DC1G-200-13	N Female	N Female	BNC	BNC
DC1G-200-102	SMA	SMA	SMA	SMA
DC1G-200-610	N Female	N Male	N Female	N Female
DC1G-200-612	N Female	N Male	SMA	SMA
DC1G-200-712	N Male	N Female	SMA	SMA
DC1G-200-714	N Male	N Female	N Female	N Female

PERFORMANCE DATA (SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE):

Plot 1: Coupling, Plot 2: Directivity, Plot 3: Insertion Loss, Plot 4: VSWR



OUTLINE DRAWING

