
PRODUCT DATA SHEET
C6238

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:

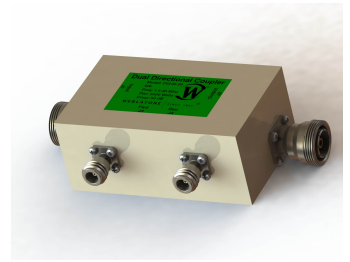
Frequency: 1.5 - 30 MHz
 Power: 5000 W CW
 Coupling: 50 ± 1.0 dB Max.
 Insertion Loss: 0.05 dB Max.
 Flatness: ± 0.3 dB Max.
 VSWR (ML): 1.10:1 Max.
 Directivity: 20 dB Min.

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: 5.0 x 3.0 x 2.24"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6238-10	N Female	N Female	N Female	N Female
C6238-12	N Female	N Female	SMA	SMA
C6238-13	N Female	N Female	BNC	BNC
C6238-20	7/16 Female	7/16 Female	N Female	N Female
C6238-30	LC Female	LC Female	N Female	N Female
C6238-33	LC Female	LC Female	BNC	BNC
C6238-QC-0	QC Block	QC Block	N Female	N Female
C6238-QC-2	QC Block	QC Block	SMA	SMA
C6238-QC-3	QC Block	QC Block	BNC	BNC
C6238-61	HN Female	HN Female	N Female	N Female
C6238-62	HN Female	HN Female	N Male	N Male

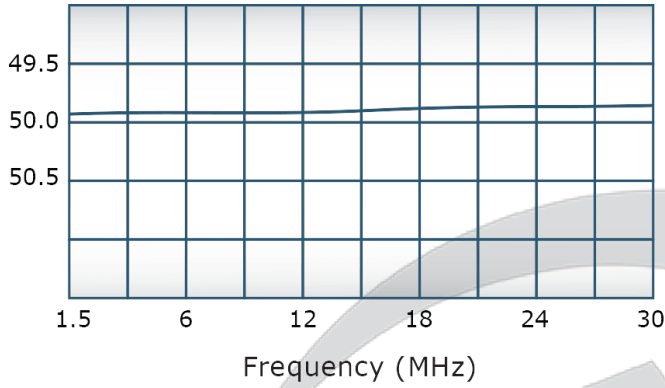


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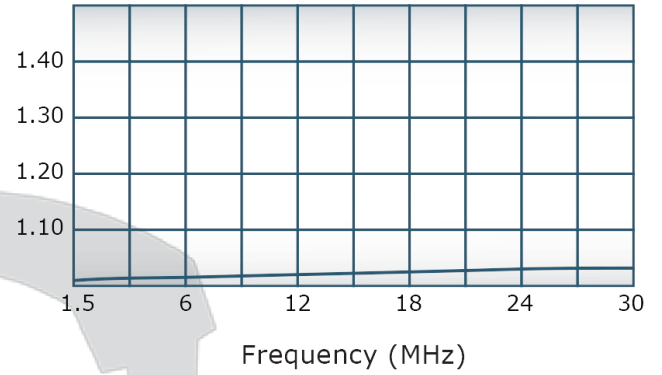
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Performance Data (Specifications subject to change without notice):

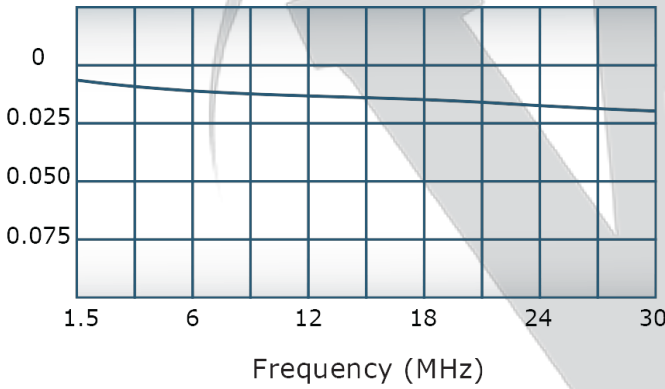
Coupling:



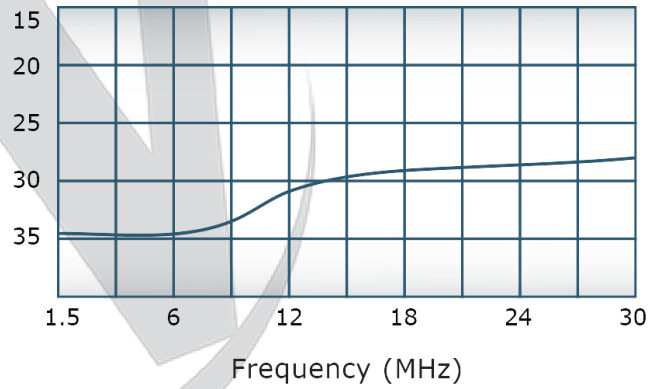
VSWR:



Insertion Loss:



Directivity:



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