



PRODUCT DATA SHEET

C6200

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: 100 - 1000 MHz

Power: 1000 W CW

Coupling: 40 ± 1.0 dB Max.

Insertion Loss: 0.2 dB Max.

Flatness: ± 0.5 dB Max.

VSWR (ML): 1.20:1 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:

6.0 x 3.0 x 1.09"

Connector Configurations:

Model	Input (J1)	Output (J2)	Fwd (J3)	Rev (J4)
C6200-10	N Female	N Female	N Female	N Female
C6200-12	N Female	N Female	SMA	SMA
C6200-13	N Female	N Female	BNC	BNC
C6200-41	SC Female	SC Female	SMA	SMA
C6200-43	SC Female	SC Female	SMA	SMA

Werlatone® Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.



WERLATONE

Model C6200

Connectorized Directional Couplers

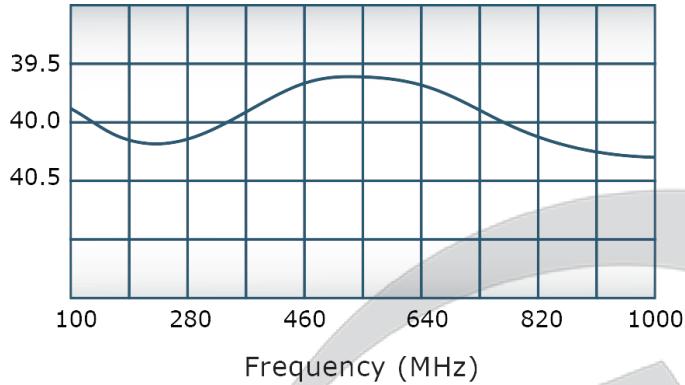


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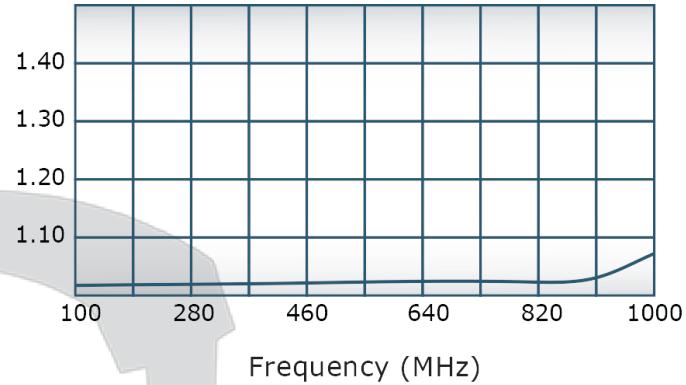
C6200

Performance Data (Specifications subject to change without notice):

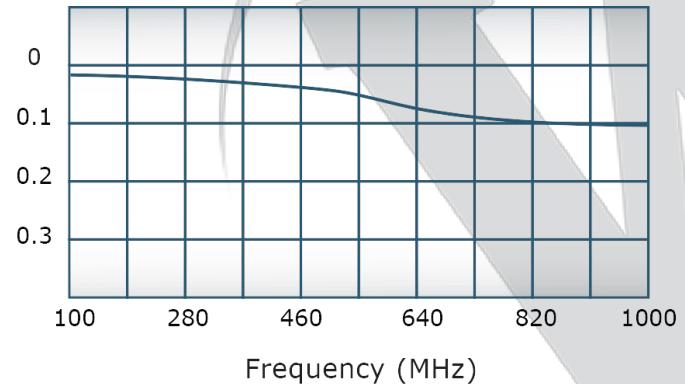
Coupling:



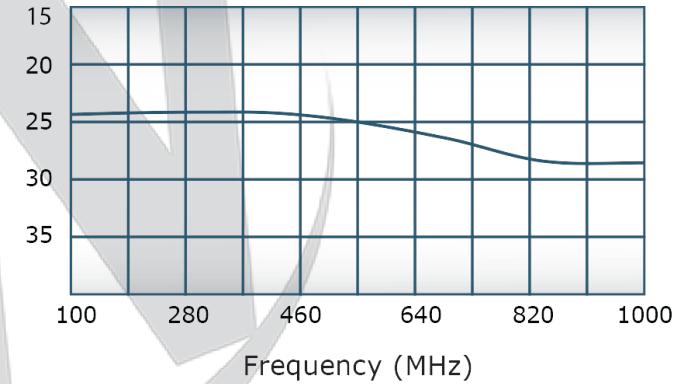
VSWR:



Insertion Loss:



Directivity:



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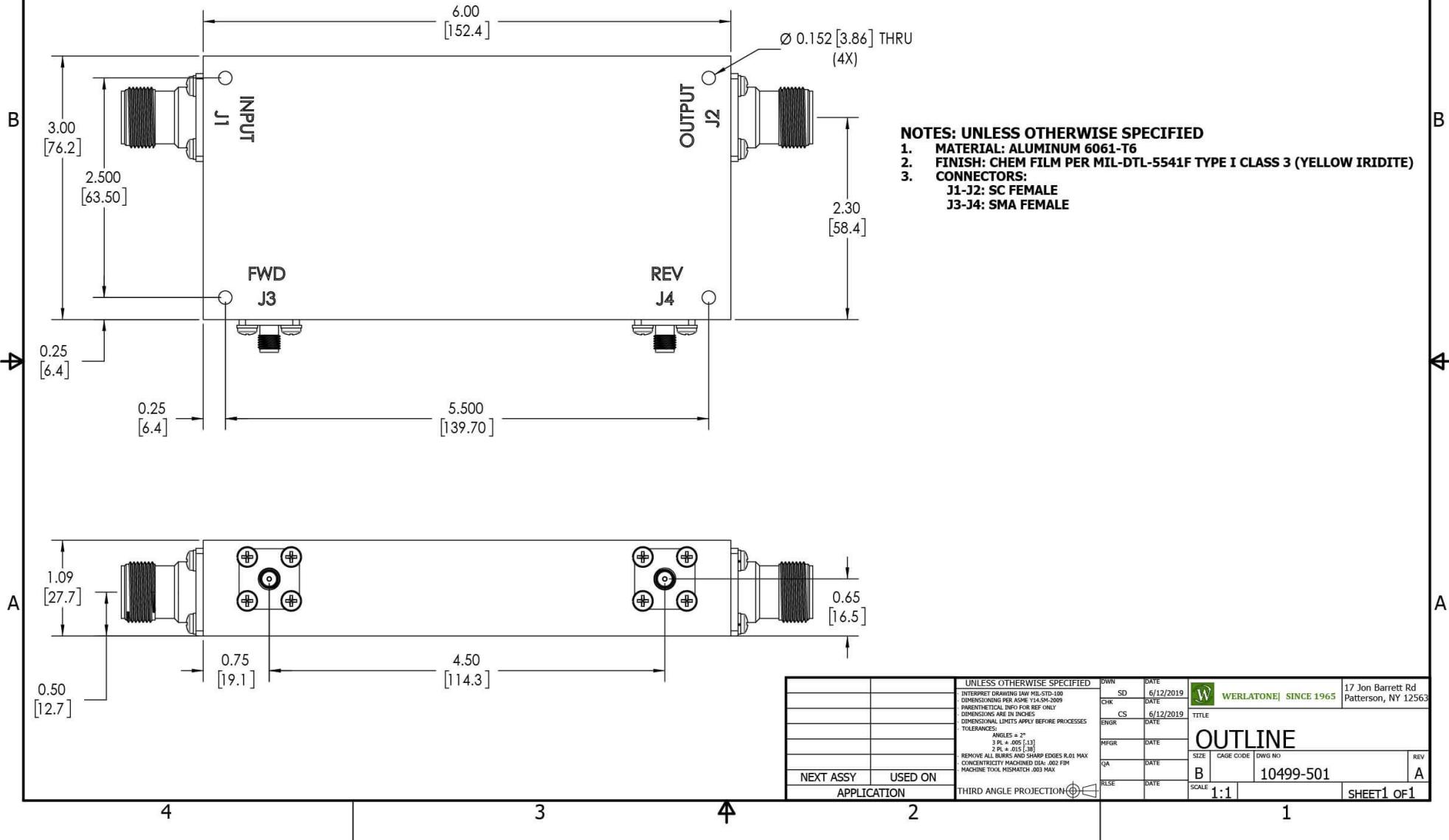
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REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	6/12/2019	RB



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