



PRODUCT DATA SHEET

C8356

4-Port Bi-Directional Coupler: Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

Features:

High Power

Wide Bandwidths

Small Size

Flat Coupling

Custom Designs Available

Electrical Specifications:

Frequency: 20 - 550 MHz

Power: 100 W CW

Coupling: 20 ± 1.0 dB Max.

Insertion Loss: 0.7 dB Max.

Flatness: ± 1.0 dB Max.

VSWR (ML): 1.30:1 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

-55°C to +75°C

Storage Temperature: -60°C to +85°C

-60°C to +85°C

Humidity: 95% Non-Condensing

95% Non-Condensing

Size: 2.0 x 1.5 x 1.06"

2.0 x 1.5 x 1.06"

Connector Configurations:

Model

C8356-10

C8356-12

C8356-102

Input (J1)

N Female

N Female

SMA

Output (J2)

N Female

N Female

SMA

Fwd (J3)

N Female

SMA

SMA

Rev (J4)

N 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 C8356

Connectorized Directional Couplers

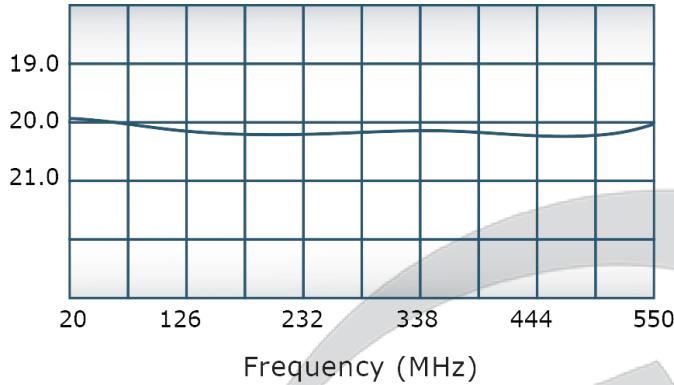


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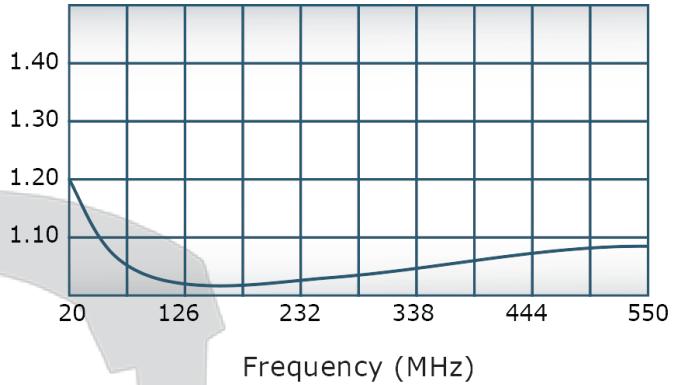
C8356

Performance Data (Specifications subject to change without notice):

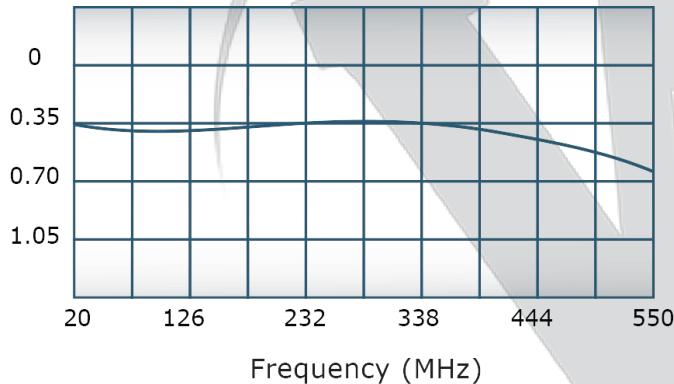
Coupling:



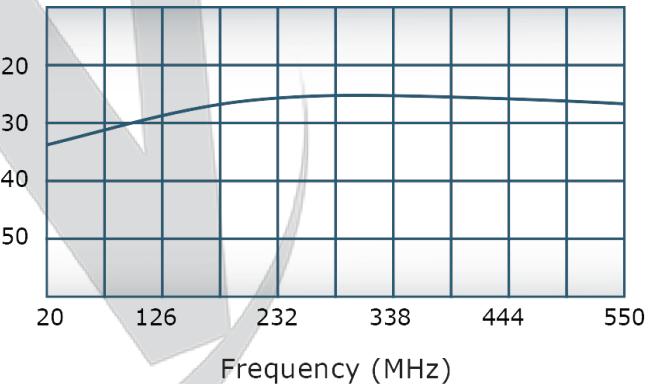
VSWR:



Insertion Loss:

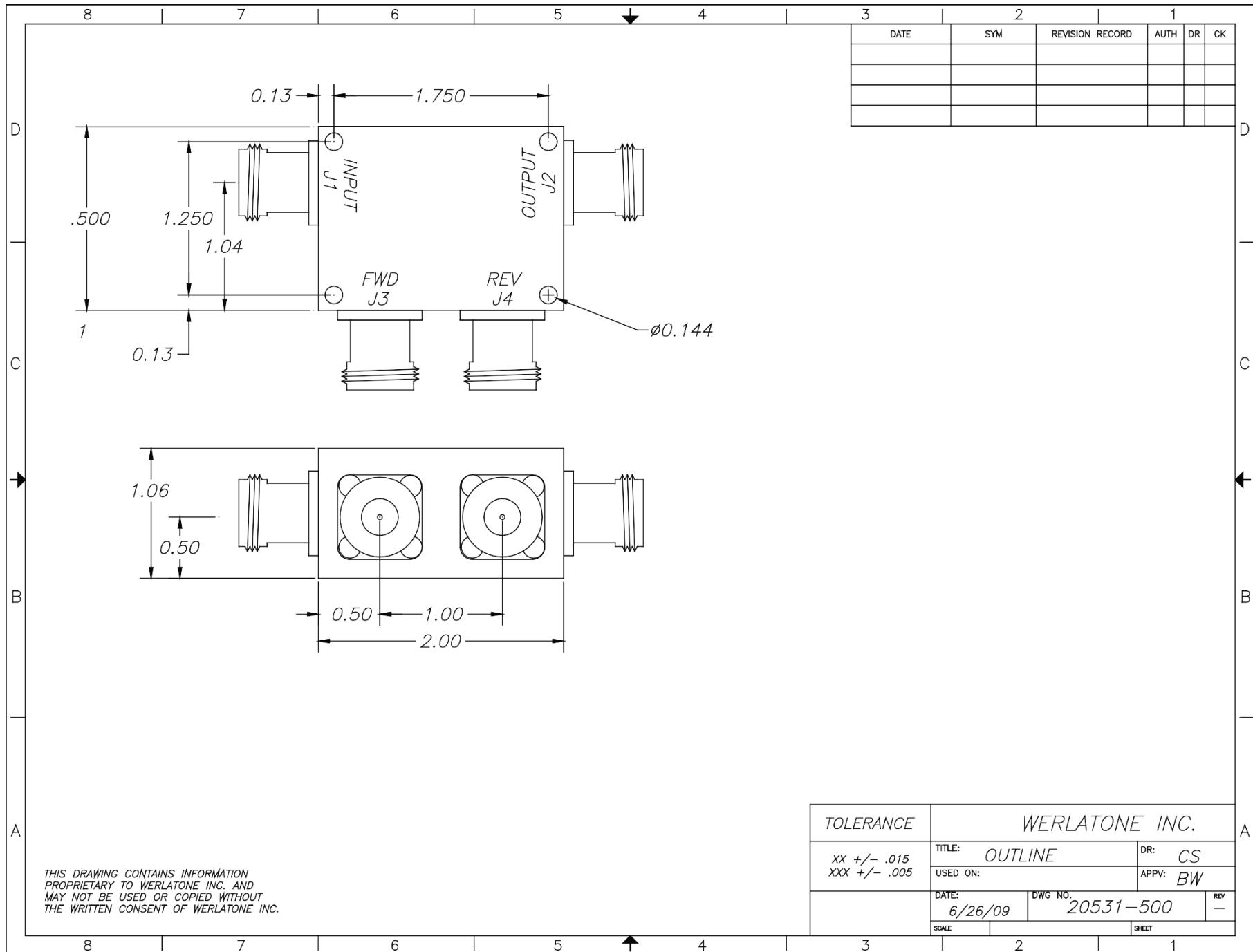


Directivity:



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