WERLATONE

Model C7141W
Connectorized Directional Couplers

PRODUCT DATA SHEET **C7141W**

3-Port Uni-Directional Coupler: Consists of a main line and a coupled line. One end of the coupled line is internally terminated, while the other end serves as a coupled port. Ideal for sampling and monitoring power in one direction at a given time. It is necessary to physically reverse the orientation of the unit to change from a forward to a reverse power measurement.

Features:

High Power Wide Bandwidths Small Size Flat Coupling Custom Designs Available

Electrical Specifications:

Frequency:	100 - 500 MHz
Power:	100 W CW
Coupling:	6 ± 1.0 dB Max.
Insertion Loss:	0.3 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), Black Epoxy Paint/White Epoxy Lettering RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Humidity:	100% Condensing
Size:	7.0 x 5.0 x 1.8"
Weight:	3 lbs.

Port Configurations:

Model	**Input (J1)**	**Output (J2)**	**Fwd (J3)**
C7141W-10-10	N Female	N Female	N Female

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.

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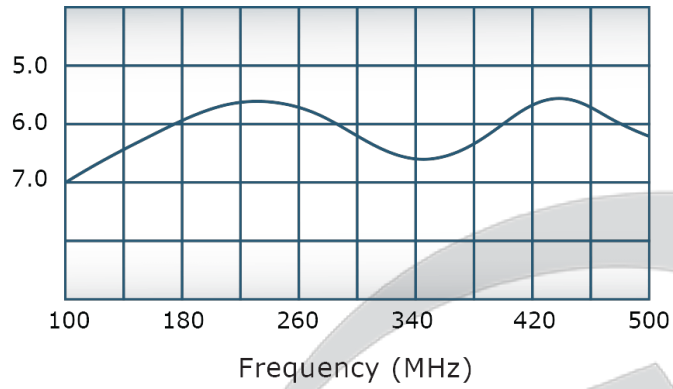
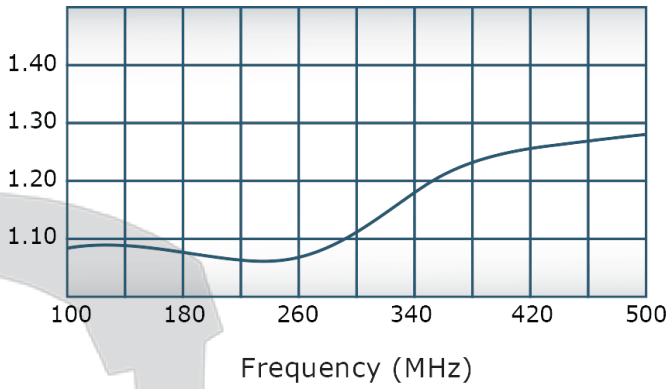
Performance Data (Specifications subject to change without notice):

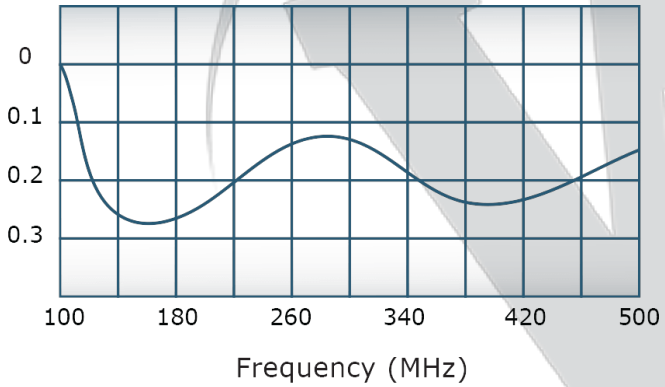
Coupling:



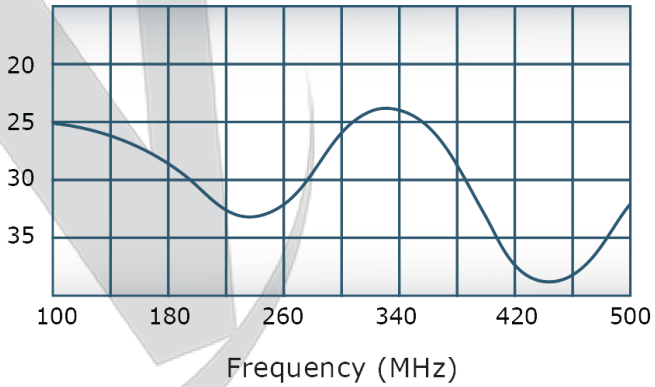
VSWR:



Insertion Loss:



Directivity:



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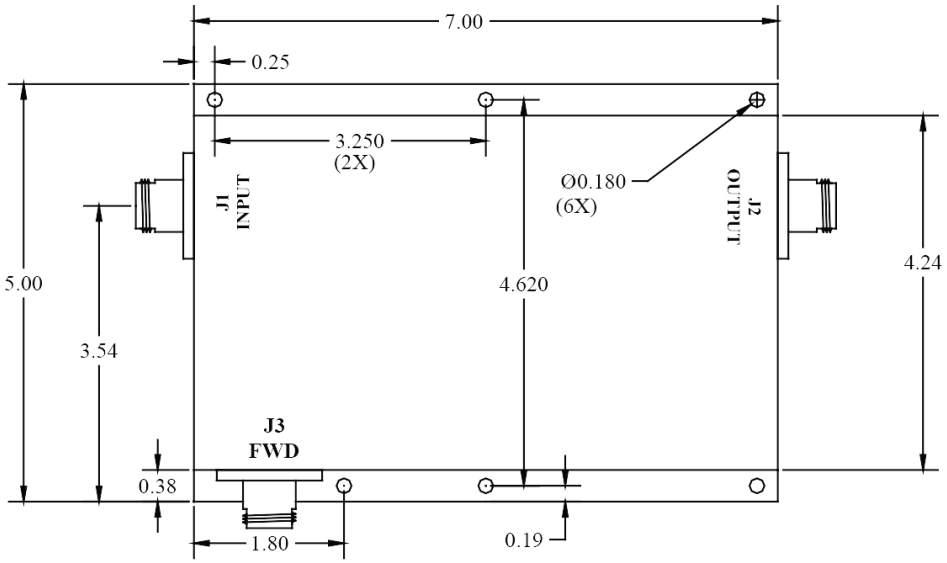
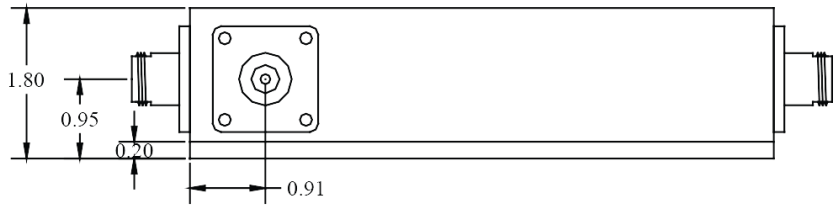
DATE	SYM	REVISION RECORD	AUTH	DR	CK
2/24/04	REV.A	ECN:3434	RH		





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