
PRODUCT DATA SHEET
D10907

Werlatone® Mismatch Tolerant® High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

Features:

High Power Wide Bandwidths Small Size High Isolation Custom Designs Available

Electrical Specifications:

Frequency: 20 - 500 MHz
 Power: 1300 W CW
 Insertion Loss: 0.5 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 15 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
 Weight: 4 lbs.
 Size: 5.7 x 4.7 x 1.75"

Connector Configurations:

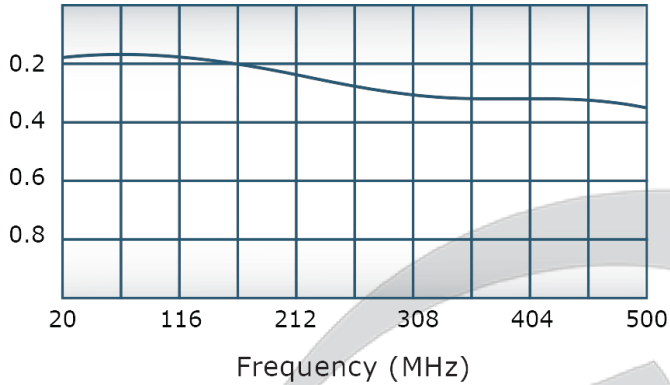
Model	Sum Port (J1)	Input/Output (J2-J5)
D10907-10	N Female	N Female
D10907-12	N Female	SMA Female
D10907-20	7/16 Female	N Female
D10907-22	7/16 Female	SMA
D10907-41	SC Female	N Female

When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

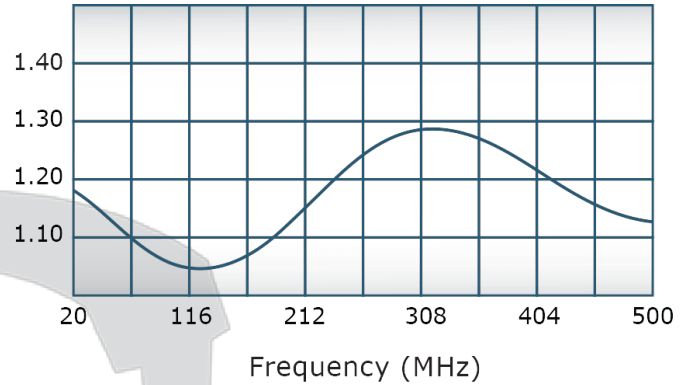


Performance Data (Specifications subject to change without notice):

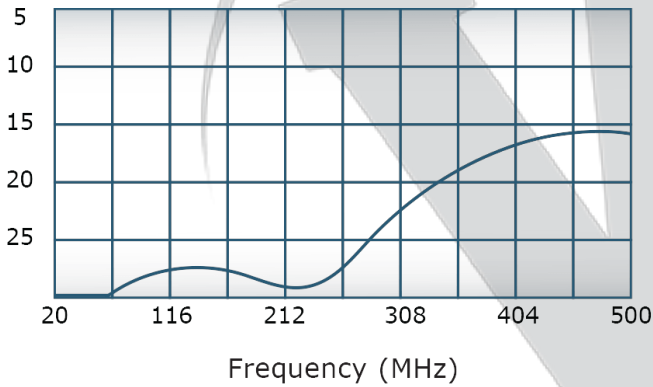
Insertion Loss:



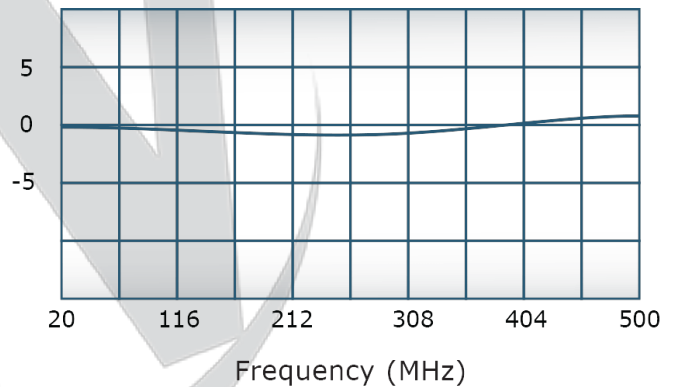
VSWR:



Isolation:



Phase Balance:



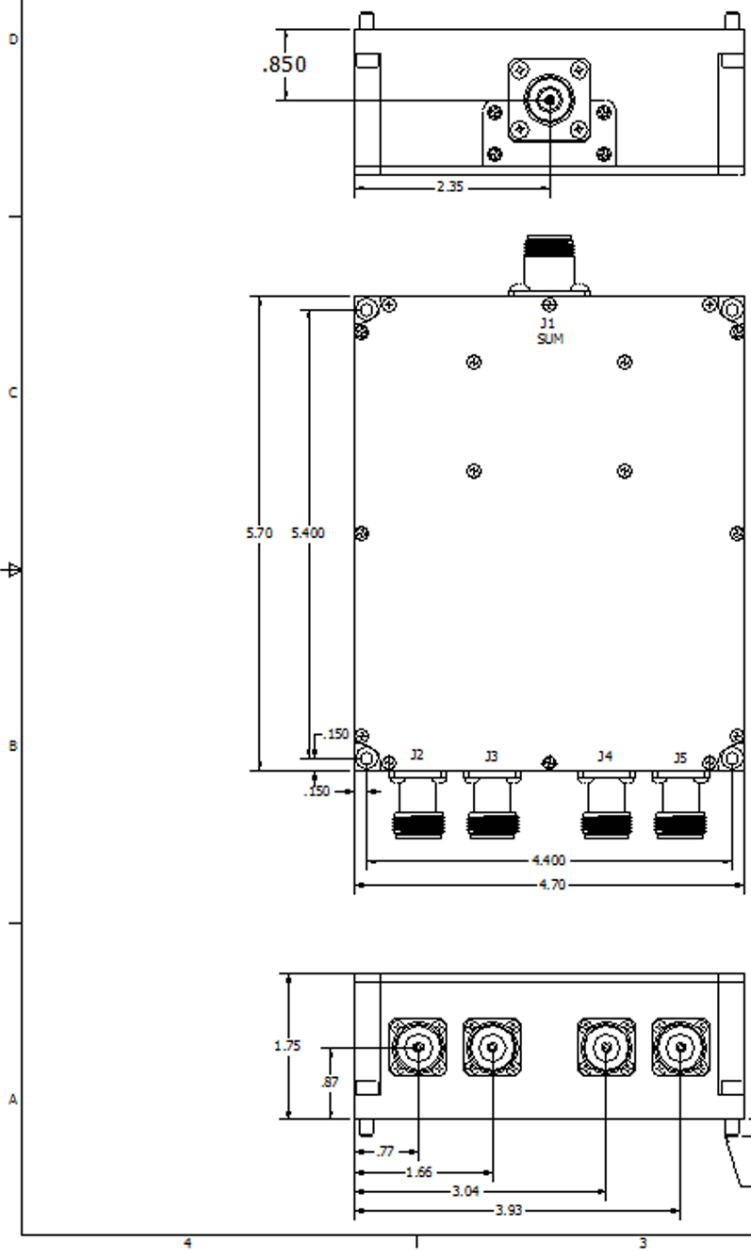
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Werlatone, Inc.

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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
7/28/11	-	INITIAL RELEASE	PR		
5/28/13	A	8198	PR		
12/14/18	B	9718	PK		



UNLESS OTHERWISE SPECIFIED		DATE	7/28/2011	WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
* INTERIOR OF DRAWING SHOWN UNLESS NOTED	* DIMENSIONS PER ASME Y14.5M-2009	DATE		TITLE		D9075	
* DIMENSIONS ARE IN INCHES	* DIMENSIONAL UNITS APPLY BEFORE PROCESSES	DATE		DRAWN BY		C 28812	
* TOLERANCES	ANGLES	DATE		CHECKED BY		20788-500	
.XX	3°	DATE		DATE		SCALE	
.XX	.005	DATE		DATE		1:1	
.XX	.015	DATE		DATE		SHEET 1 OF 1	
* REMOVE ALL BURS AND SHARP EDGES: 0.1 R MAX	* CONFORM TO CONTRACT MACHINED DIM: 0.005 FDI	DATE		DATE		B	
* MACHINE TOOL VARIATION: 0.01 MAX		DATE		DATE			
THIRD ANGLE PROJECTION		DATE		DATE			

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