

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 - 1000 MHz
 Power: 1,000 W CW, 250 W / Input Non-Coherent
 Insertion Loss: 0.8 dB Max.
 VSWR: 1.40:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 18 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
 Size: 6.25 x 6.5 x 2.25"

Connector Configurations:

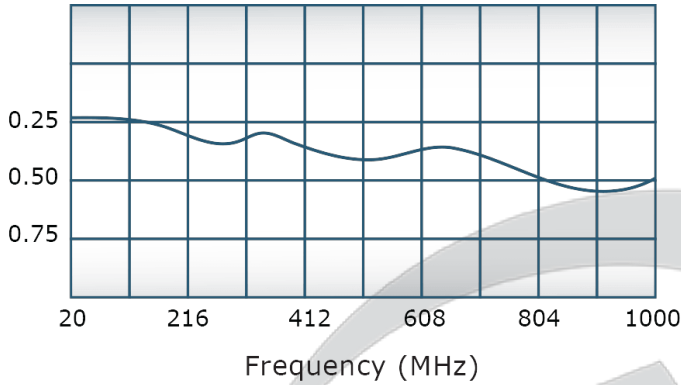
Model	Sum Port (J1)	Inputs/Outputs (J2,J3)	Isolated Load Port (J4)
D10249-10	N Female	N Female	N Female
D10249-20	7/16 Female	N Female	N Female

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.

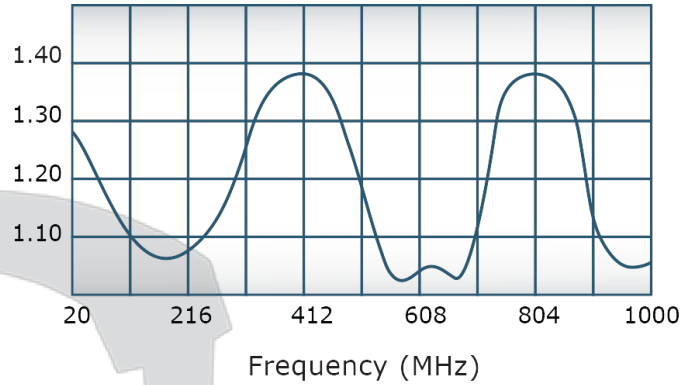


Performance Data (Specifications subject to change without notice):

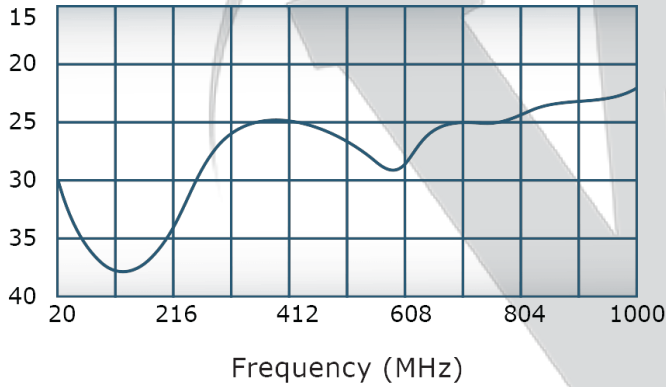
Insertion Loss:



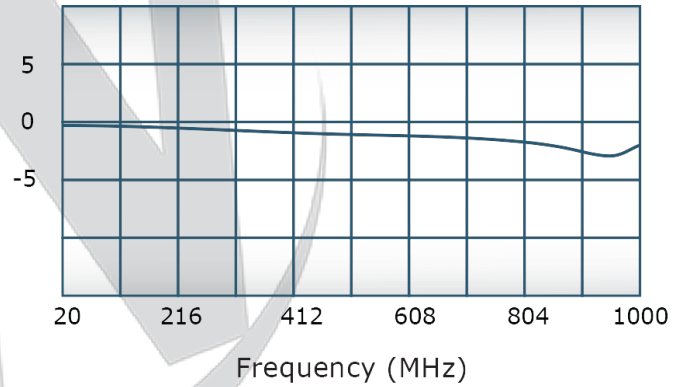
VSWR:



Isolation:



Phase Balance:



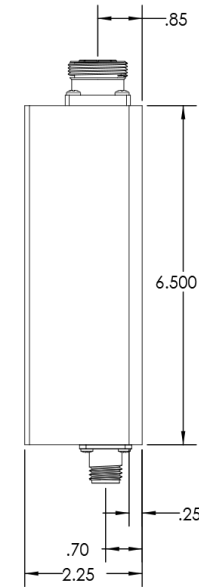
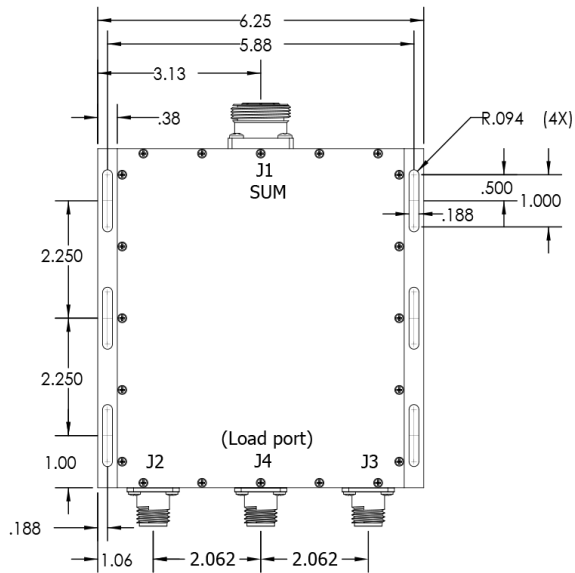
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Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	7/28/15	



UNLESS OTHERWISE SPECIFIED		DATE	7/28/15	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERSP. DRAWING (AWI MIL-STD-100)	DATE	7/28/15		
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE		TITLE
GEOMETRICAL TOL. PER REF ONLY	ENGR	DATE		OUTLINE
DIMENSIONS ARE IN INCHES	MPGR	DATE		SIZE
DIMENSIONAL UNITS APPLY BEFORE PROCESSES	QA	DATE		CAGE CODE
TOLERANCES:	RELE	DATE		DWG NO
ANGLES = 3°				B 28812 21337-500
3 PL ± .015				REV
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				-
CONCENTRICITY FUNDING DIA = .002 FPM				
MACHINE TOL. MISMATCH .003 MAX				
NEXT ASSY	USED ON	SCALE	1:2	SHEET 1 OF 1
APPLICATION	THIRD ANGLE PROJECTION			

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