

PRODUCT DATA SHEET

D10249

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: $\pm 5^\circ$ 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.

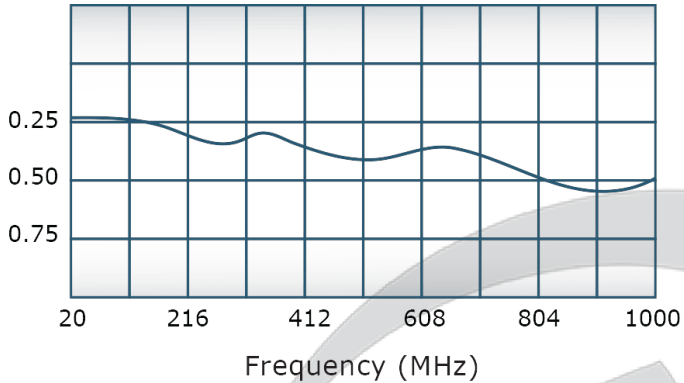


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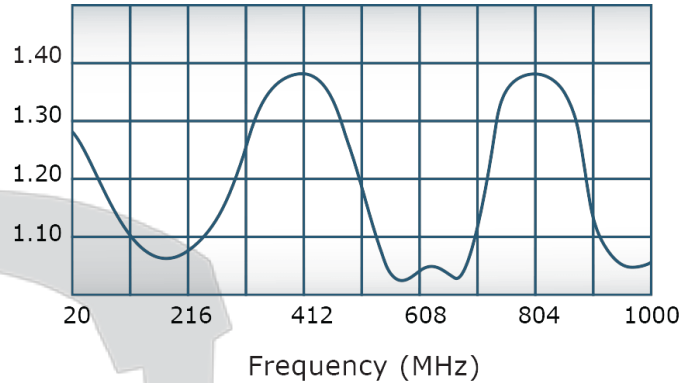
D10249

Performance Data (Specifications subject to change without notice):

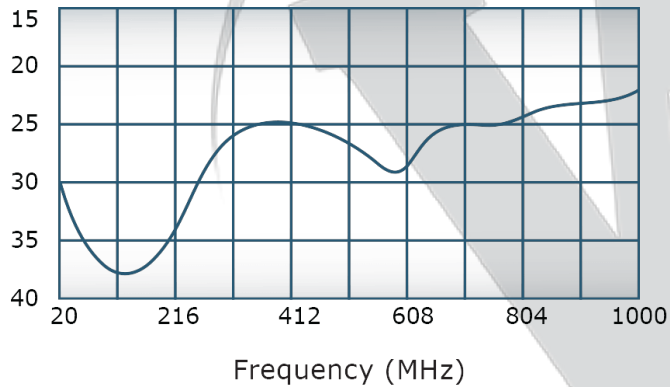
Insertion Loss:



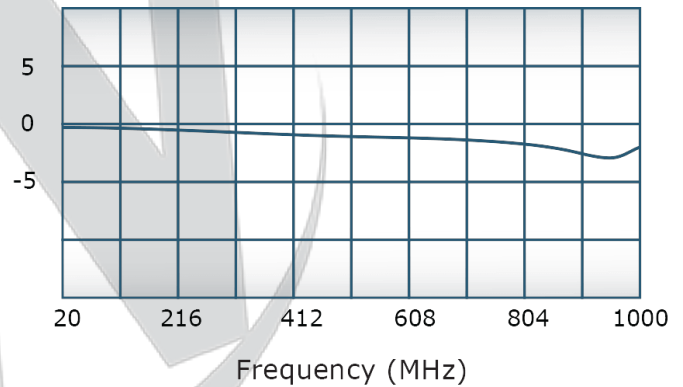
VSWR:



Isolation:



Phase Balance:

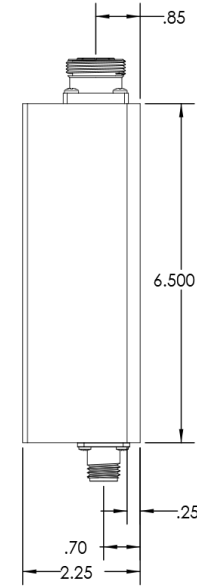
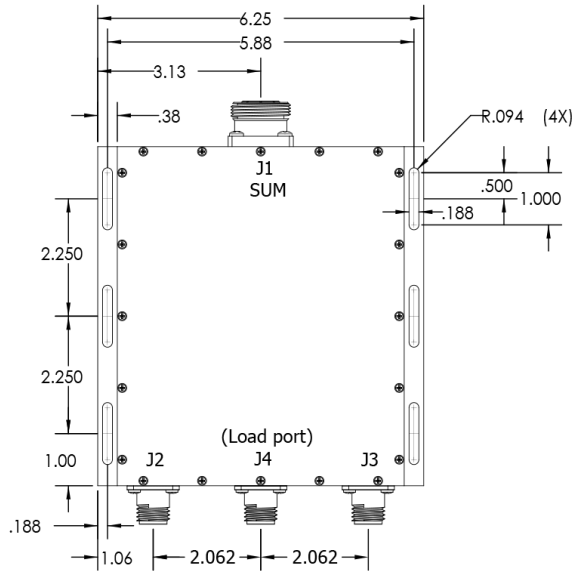



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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	7/28/15	



		UNLESS OTHERWISE SPECIFIED		DATE	7/28/15	 WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		DATE		
		DIMENSIONS ARE IN INCHES		DATE		OUTLINE SIZE CAGE CODE DWG NO B 28812 21337-500
		DIMENSIONS ARE IN INCHES		DATE		
		DIMENSIONAL UNITS APPLY BEFORE PROCESSES		DATE		SCALE 1:2
		TOLERANCES:		DATE		
		ANGLES ± 3°		DATE		SHEET 1 OF 1
		3 PL ± .005		DATE		
		REMOVE ALL BURRS AND SHARP EDGES R/L MAX		DATE		REV -
		CONCENTRICITY MAX .004 .002 PPM		DATE		
		MACHINE TOOL MISMATCH .003 MAX		DATE		THIRD ANGLE PROJECTION
				DATE		
				DATE		APPLICATION
				DATE		
				DATE		USED ON
				DATE		
				DATE		NEXT ASSY
				DATE		

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