

## 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.

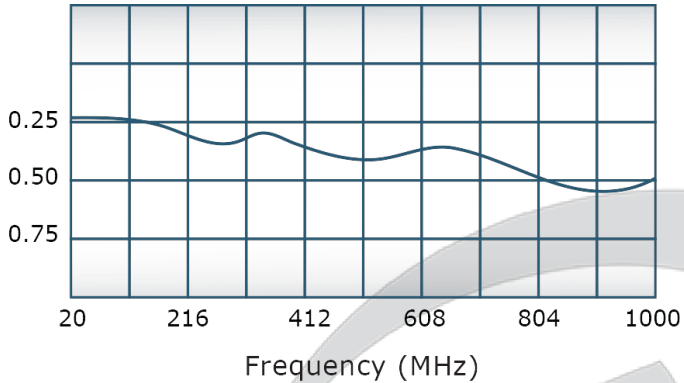


## PRODUCT DATA SHEET

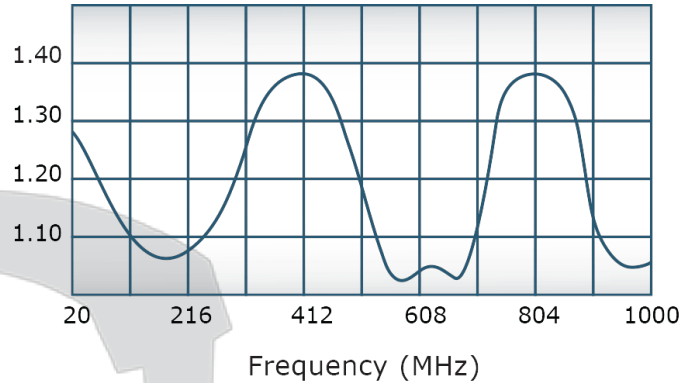
D10249

### Performance Data (Specifications subject to change without notice):

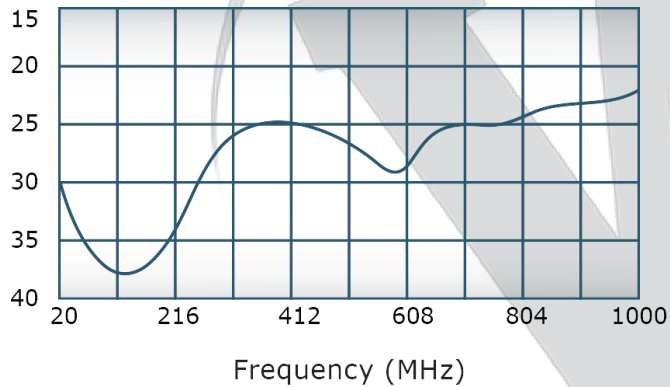
Insertion Loss:



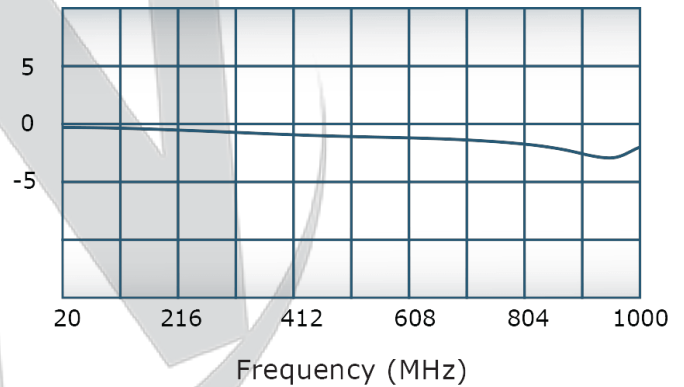
VSWR:



Isolation:



Phase Balance:

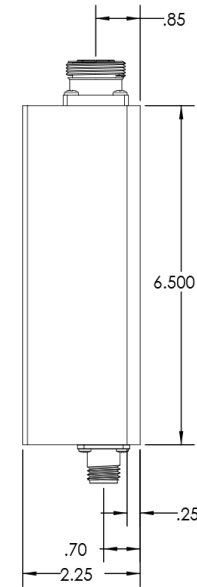
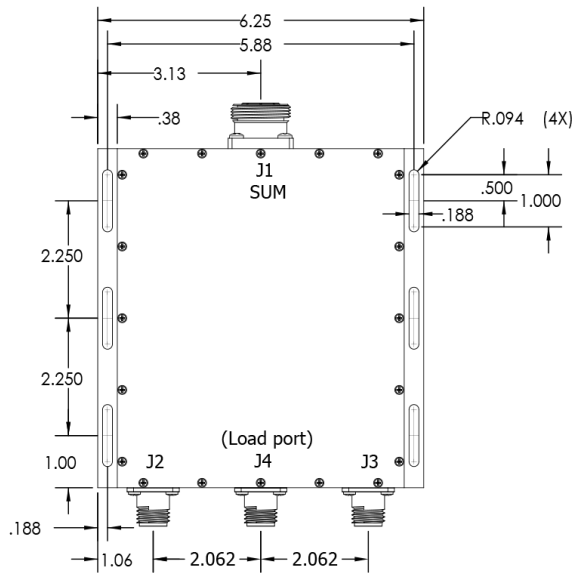



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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

**RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION**  
 This document contains proprietary information which is the sole property of Werlatone, Inc.

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



		UNLESS OTHERWISE SPECIFIED		DWG	DATE		WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		DWG	7/28/15			
		DIMENSIONS ARE IN INCHES		DATE				
		DIMENSIONS ARE IN INCHES		DATE				
		TOLERANCES:		ENGR	DATE	TITLE		OUTLINE
		ANGLES: ± 3°		ENGR				
		3 PL ± .005		ENGR				
		REMOVE ALL BURRS AND SHARP EDGES R/L MAX		ENGR				
		CONCENTRICITY MAX .004 .002 F/M		ENGR				
		MACHINE TOOL MESHATCH .003 MAX		ENGR				
		THIRD ANGLE PROJECTION		ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				
				ENGR				