



PRODUCT DATA SHEET

D9891

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: 1000 W CW
 Insertion Loss: 0.5 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: 6.5 x 6.25 x 2.25"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9891-10	N Female	N Female	N Female
D9891-20	7/16 Female	N Female	N Female
D9891-41	SC 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.

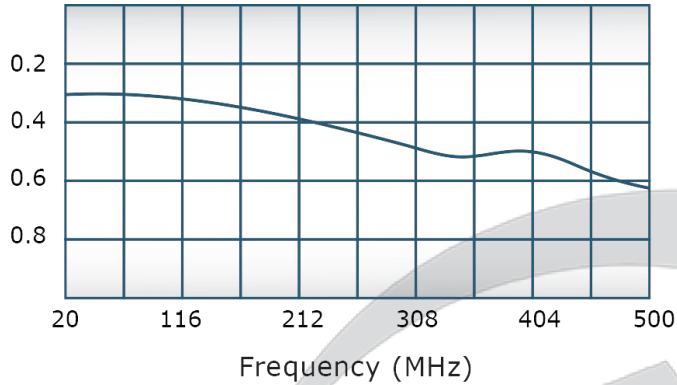


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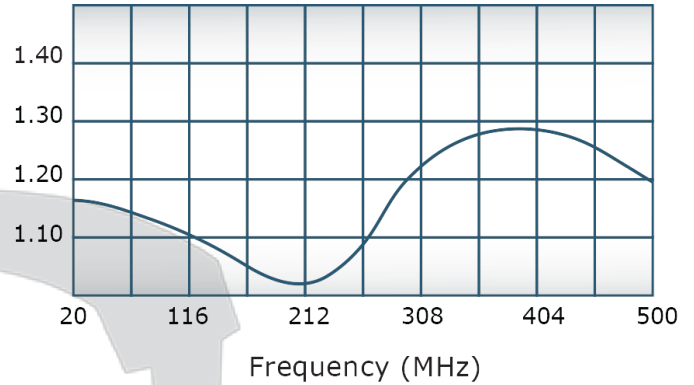
D9891

Performance Data (Specifications subject to change without notice):

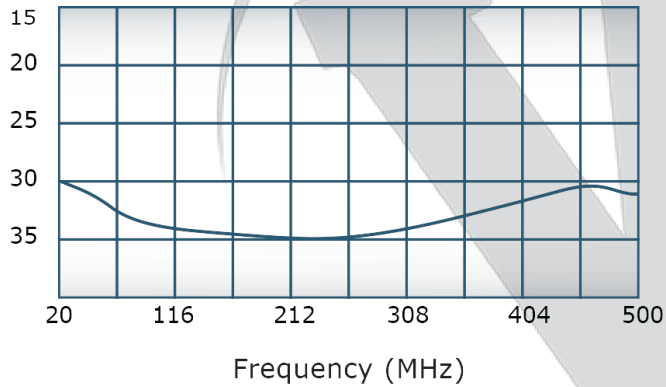
Insertion Loss:



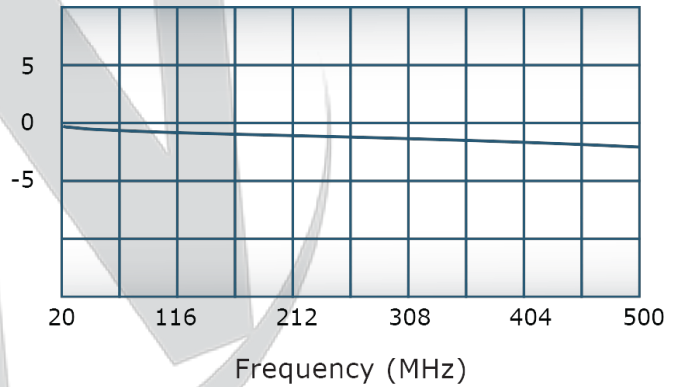
VSWR:



Isolation:



Phase Balance:

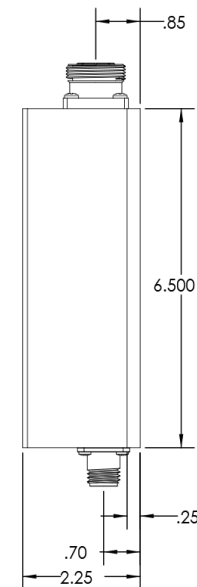
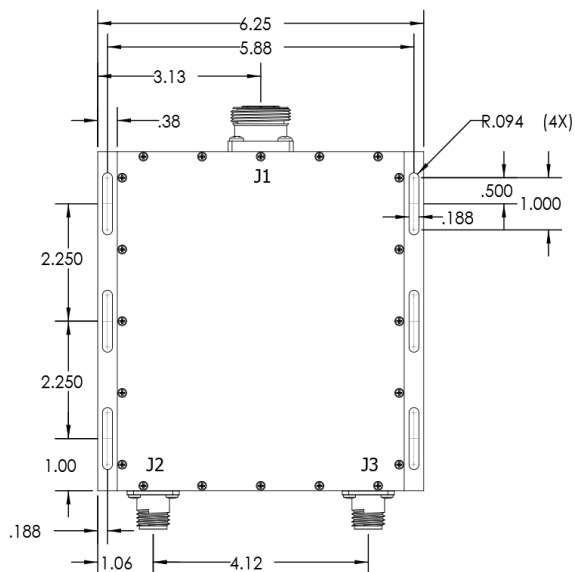


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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	6/11/2012	



		UNLESS OTHERWISE SPECIFIED		DWG NO	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563			
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		DWG NO	6/11/2012					
		DIMENSIONS ARE IN INCHES		DATE		TITLE				
		DIMENSIONS ARE IN INCHES		DATE						
		TOLERANCES		DWG NO		OUTLINE	REV -			
		ANGLES ± 3°		DATE						
		3 PL ± .015		DATE		SIZE CAGE CODE DWG NO				
		REMOVE ALL BURRS AND SHARP EDGES R/L MAX		DATE						
		CONCENTRICITY MAX .004 .002 F/M		DATE		B 28812 20858-500		SHEET 1 OF 1		
		MACHINE TOOL MISMATCH .003 MAX		DATE						
		THIRD ANGLE PROJECTION								