
**PRODUCT DATA SHEET**
**D9310**

**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 - 3000 MHz  
 Power:                              50 W CW  
 Insertion Loss:                1.2 dB Max.  
 VSWR:                              1.50:1 Max.  
 Phase Balance:                ± 5° Max.  
 Amplitude Balance:         0.6 dB Max.  
 Isolation:                         15 dB Min.

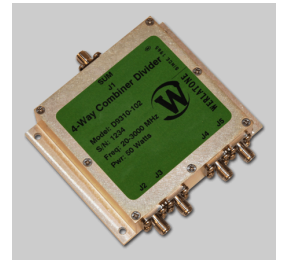
**Mechanical Specifications:**

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:                              6 oz.  
 Size:                                 2.75 x 3.35 x 0.85"

**Connector Configurations:**

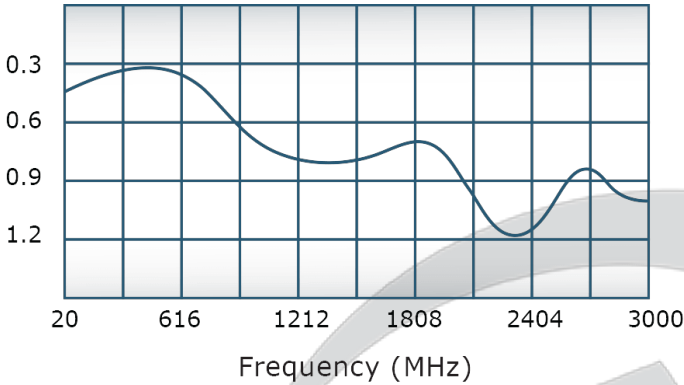
Model	Sum Port (J1)	Input/Output (J2-J5)
D9310-102	SMA	SMA

**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.

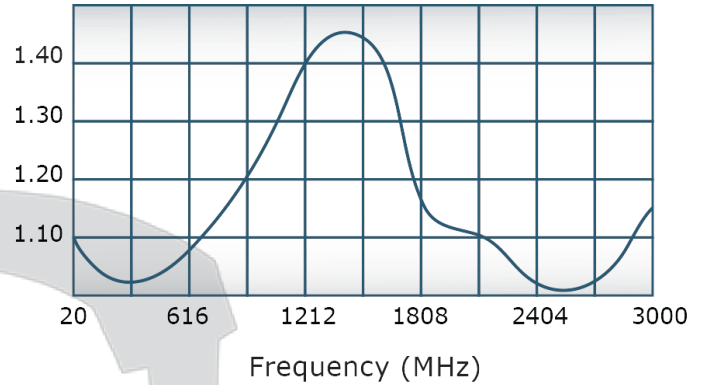


## Performance Data (Specifications subject to change without notice):

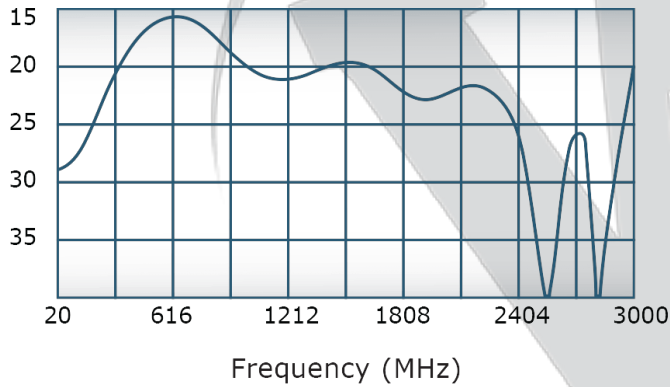
Insertion Loss:



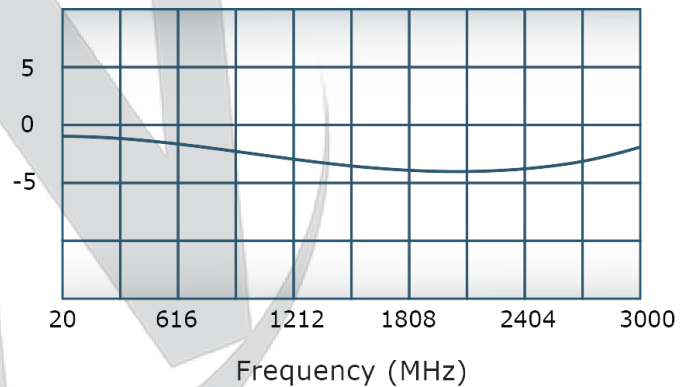
VSWR:



Isolation:



Phase Balance:



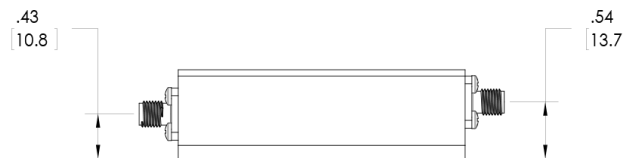
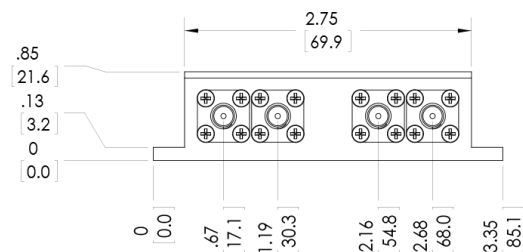
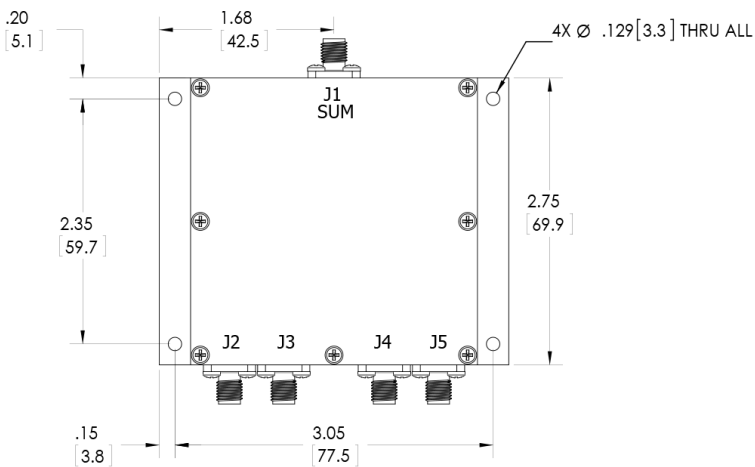
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED



UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	DATE		
DIMENSIONS ARE PER ASME Y14.5M-2009		PR	DATE		
DIMENSIONS ARE IN INCHES (mm)		ENGR	DATE	TITLE	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		MPGR	DATE	OUTLINE	
TOLERANCES:		QA	DATE	SIZE	CAGE CODE
ANGLES = 3°		RESE	DATE	B 28812	20874R-503
3 PL ± .005 [13]				SCALE	REV
2 PL ± .015 [38]				1:1	-
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX.				SHEET 1 OF 1	
CONCENTRICITY FRACTURED DIA: .002 FPM					
MACHINE TOOL MISMATCH: .003 MAX.					
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION			
APPLICATION					

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