
**PRODUCT DATA SHEET**
**D9215**

**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:                      2000 - 4000 MHz  
 Power:                              200 W CW  
 Insertion Loss:                0.35 dB Max.  
 VSWR:                              1.40:1 Max.  
 Phase Balance:                ± 5° Max.  
 Amplitude Balance:         0.25 dB Max.  
 Isolation:                         15 dB Min.

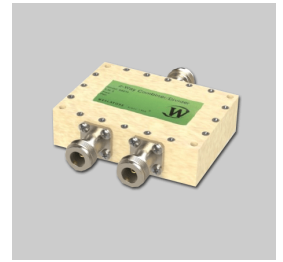
**Mechanical Specifications:**

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:                             9 oz.  
 Size:                                 3.2 x 2.3 x 0.87"

**Connector Configurations:**

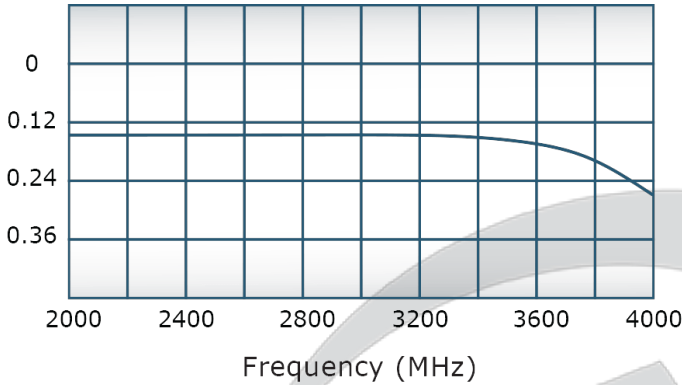
Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9215-10	N Female	N Female	N Female
D9215-12	N Female	SMA	SMA
D9215-102	SMA	SMA	SMA

**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.

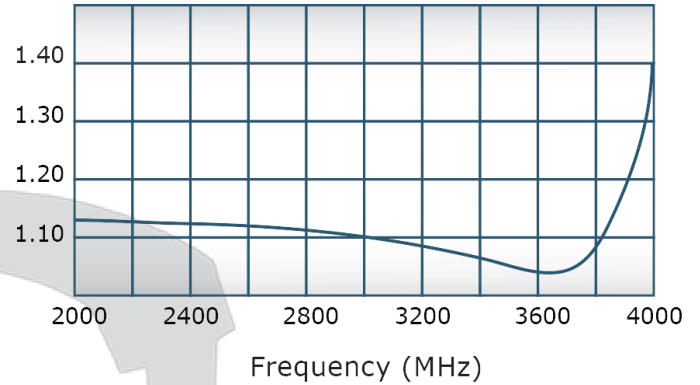


## Performance Data (Specifications subject to change without notice):

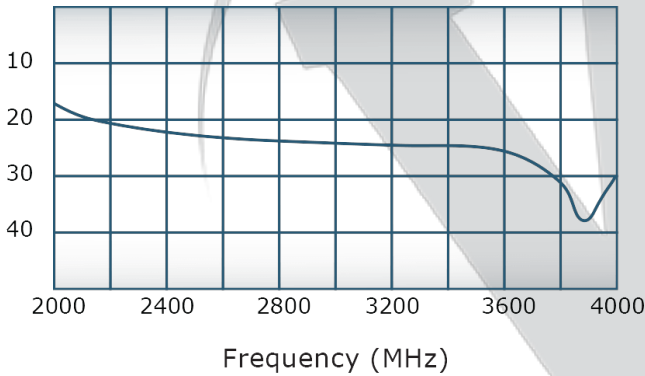
Insertion Loss:



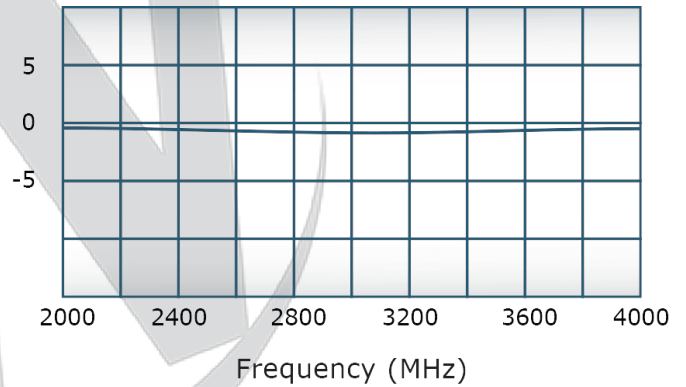
VSWR:



Isolation:



Phase Balance:



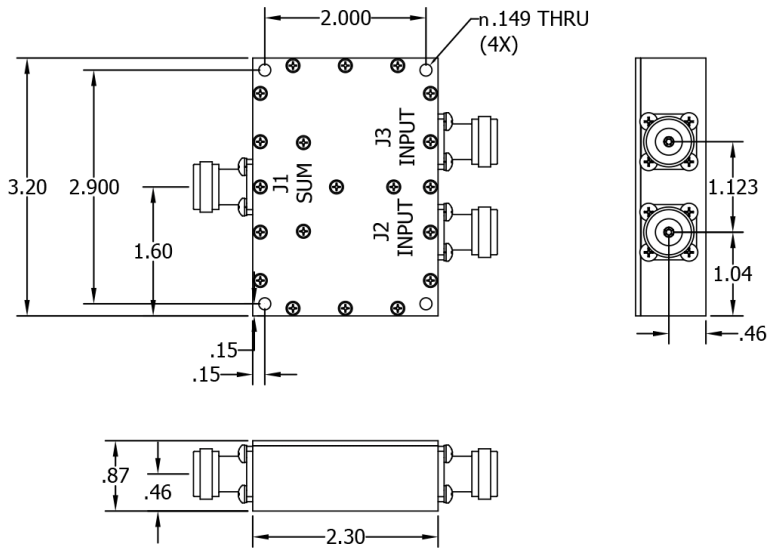
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Werlatone, Inc.

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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RLS	2/22/2012	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	<b>WERLATONE   SINCE 1965</b> 17 Jon Barrett Rd Patterson, NY 12563			
• INTERPRET DRAWING IAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHEetical INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		NH	2/22/2012				
• TOLERANCES: ANGLES ± 2° XXX ± .005 XX ± .015		CHK	DATE	TITLE			
• HOLE TOLERANCES +.004/-.001 • REMOVE ALL BURRS AND SHARP EDGES R.01 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX		BW	2/22/2012	<b>OUTLINE</b>			
NEXT ASSY	USED ON	ENGR	DATE	SIZE	CAGE CODE	DWG NO	REV
APPLICATION		BW	2/22/2012	A	28812	20842-500	-
		MFGR	DATE	SCALE	SHEET 1 OF 1		
		QA	DATE				
		RLSE	DATE				

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