

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.

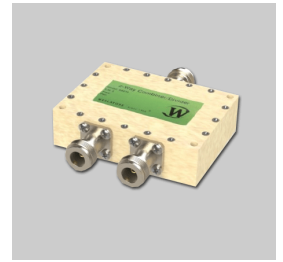
Mechanical Specifications:

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:

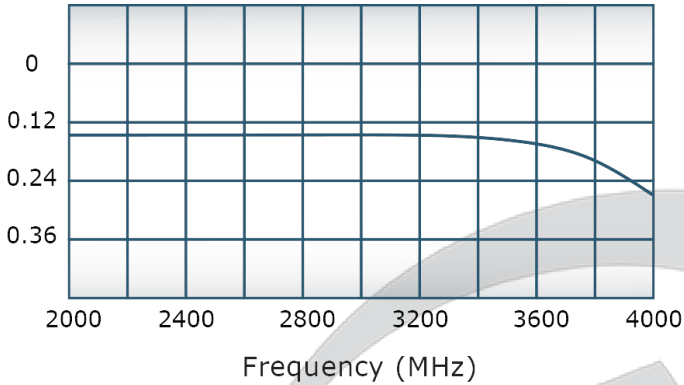
Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9215-10	N Female	N Female	N Female
D9215-12	N Female	SMA	SMA
D9215-102	SMA	SMA	SMA

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.

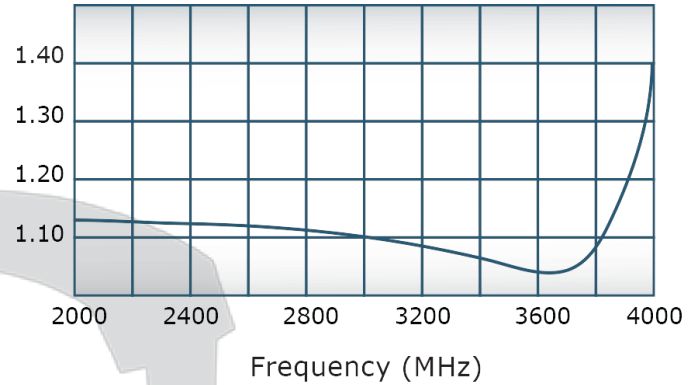


Performance Data (Specifications subject to change without notice):

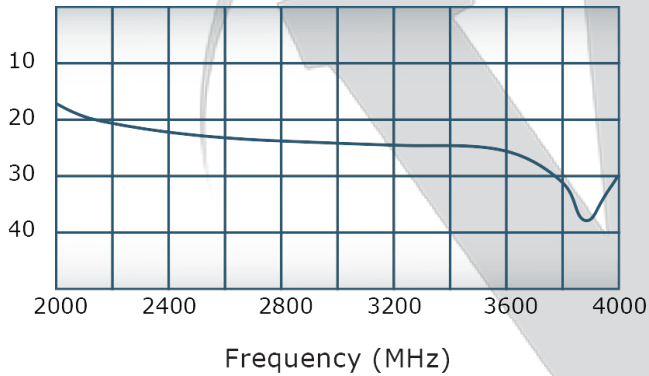
Insertion Loss:



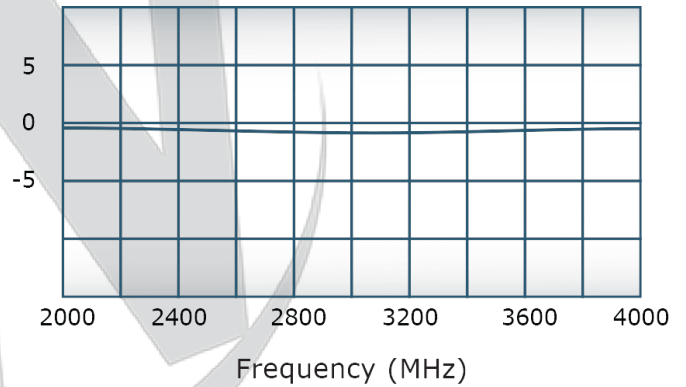
VSWR:



Isolation:

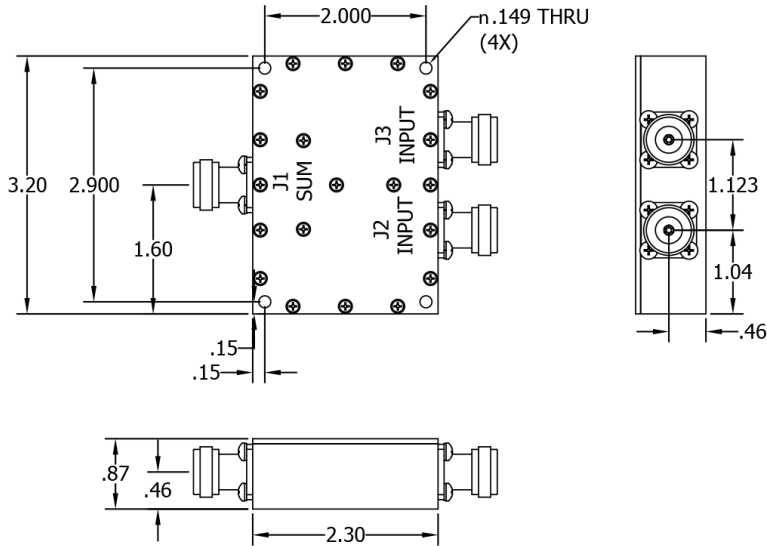


Phase Balance:



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



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965 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	
• 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	
THIRD ANGLE PROJECTION		ENGR	DATE	TITLE
NEXT ASSY	USED ON	MFGR	DATE	OUTLINE
APPLICATION		QA	DATE	SIZE
		RLSE	DATE	CAGE CODE
				DWG NO
				REV
				A 28812 20842-500 -
				SCALE
				SHEET 1 OF 1

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