

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: $\pm 5^\circ$ 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

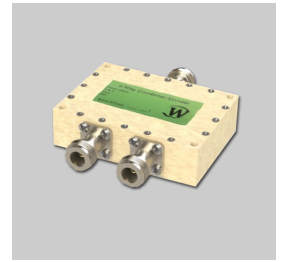
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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.



WERLATONE

Model D9215

Combiners In-Phase Connectorized

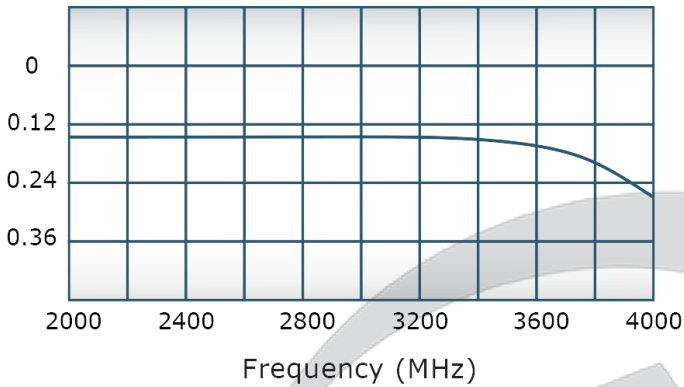


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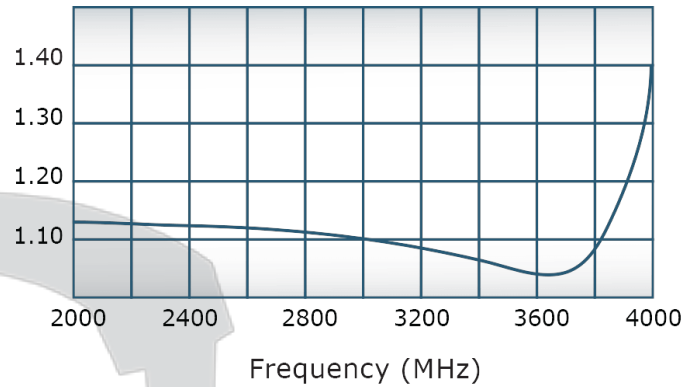
D9215

Performance Data (Specifications subject to change without notice):

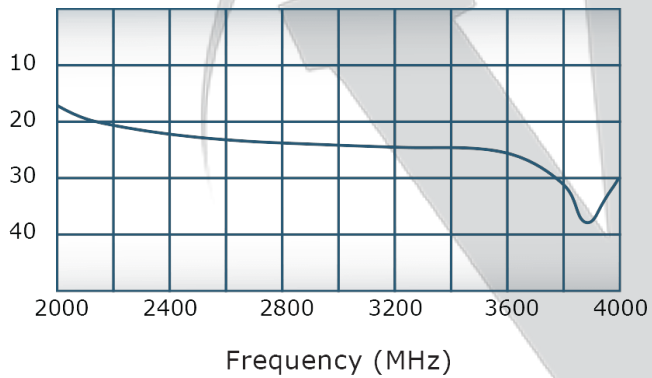
Insertion Loss:



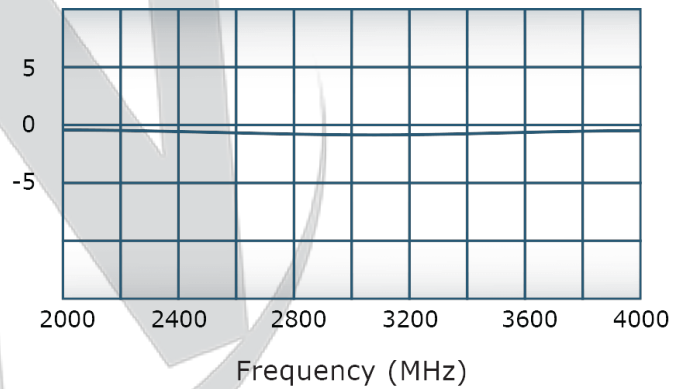
VSWR:



Isolation:



Phase Balance:

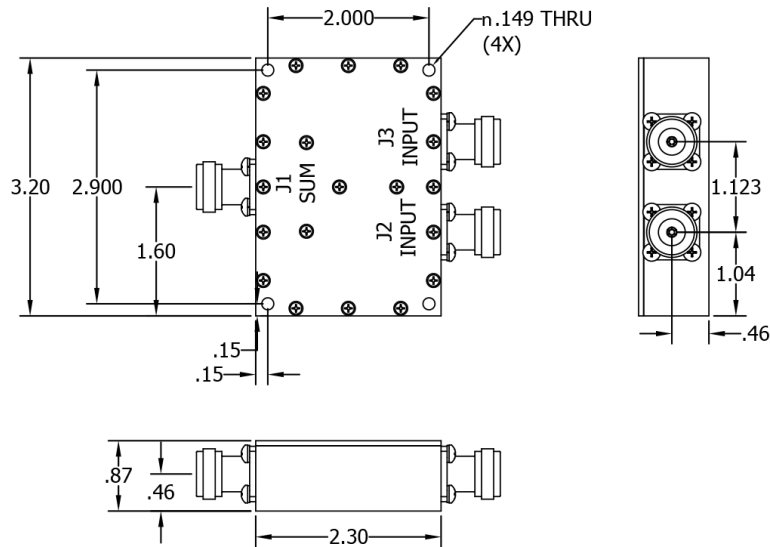




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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RLS	2/22/2012	BW



		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 • PARENTHEtical INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		NH	2/22/2012	TITLE		OUTLINE				
				CHK	DATE							
				BW	2/22/2012	SIZE				CAGE CODE	DWG NO	REV
				ENGR	DATE	A				28812	20842-500	-
				BW	2/22/2012	SCALE		SHEET 1 OF 1				
				MFGR	DATE							
				QA	DATE							
				RLSE	DATE							
NEXT ASSY		USED ON		THIRD ANGLE PROJECTION 								
APPLICATION												

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