



PRODUCT DATA SHEET

D9416

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: 200 - 1000 MHz
Power: 500 W CW
Insertion Loss: 0.65 dB Max.
VSWR: 1.35:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.3 dB Max.
Isolation: 17 dB Min.

Mechanical Specifications:

Type: Connectorized
Material: Aluminum 6061-T6
Surface Finish: Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite) RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Size: 4.7 x 5.0 x 1.4"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D9416-10	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.



WERLATONE

Model D9416

Combiners In-Phase Connectorized

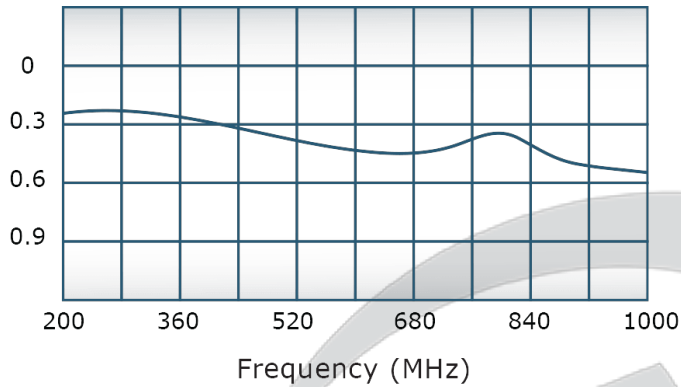


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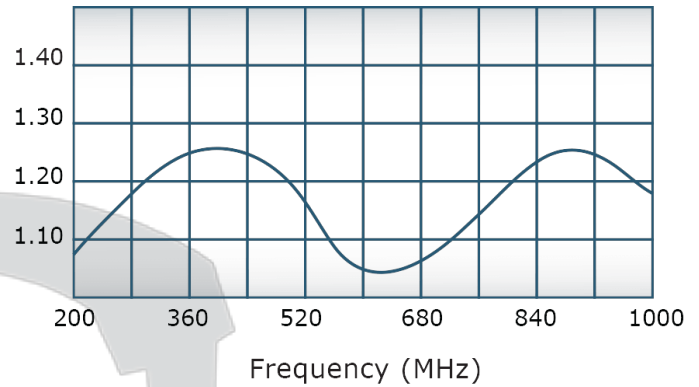
D9416

Performance Data (Specifications subject to change without notice):

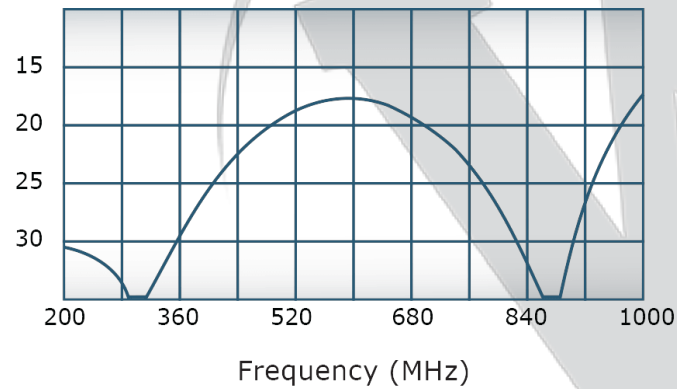
Insertion Loss:



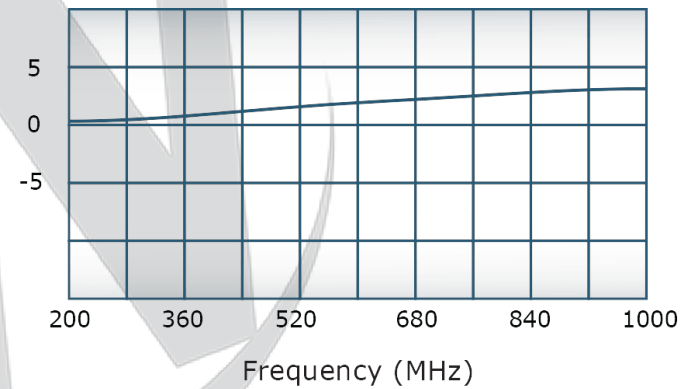
VSWR:



Isolation:



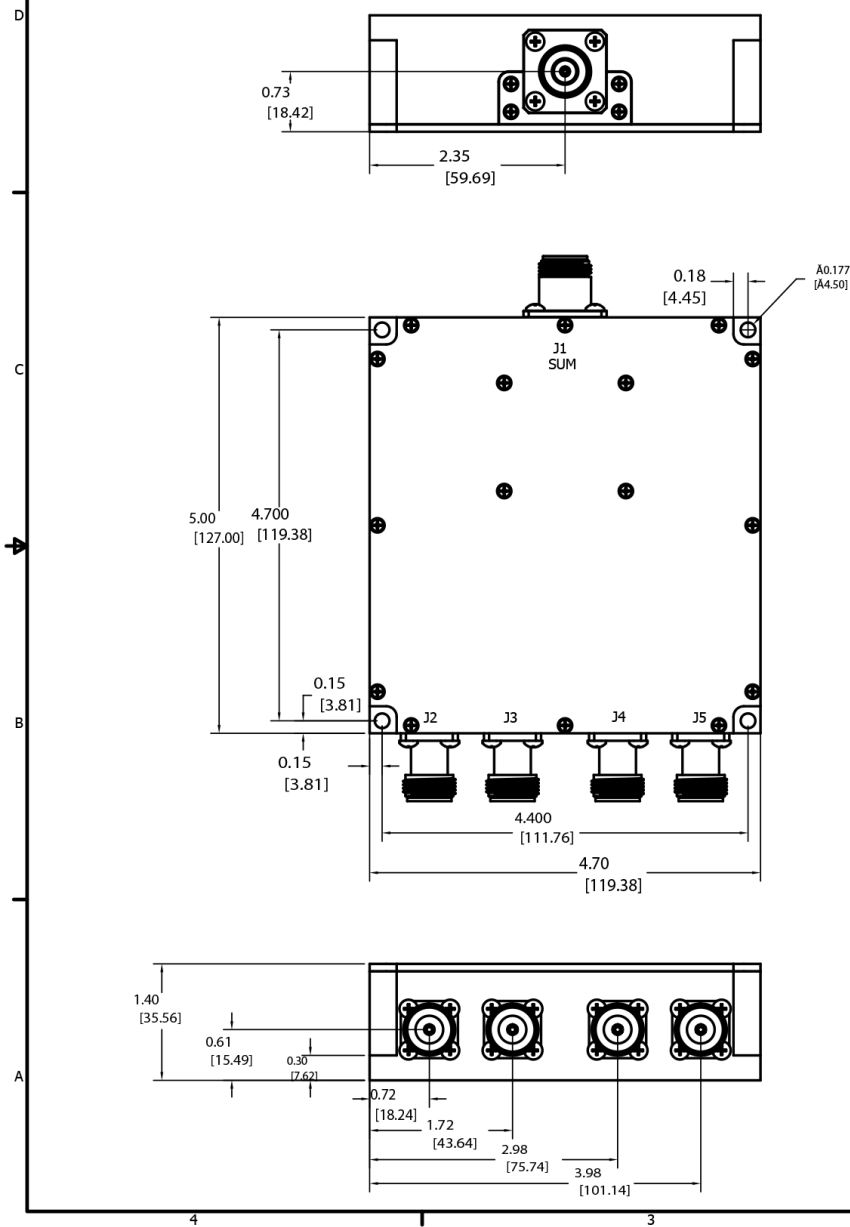
Phase Balance:



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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
6/6/13	B	8215	PR		



UNLESS OTHERWISE SPECIFIED		DWN	DATE	7/28/12	 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
* INTERPRET DRAWING IAW MIL-STD-100 * DIMENSIONING PER ASME Y14.5-2009 * PARALLELISM INFO FOR REF ONLY * DIMENSIONS ARE IN INCHES * DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		CHK	DATE	7/28/12	TITLE		OUTLINE	
* TOLERANCES:		ENGR	DATE		USED ON			
ANGLES ± .2° .XXX ± .005 .XX ± .015		MFGR	DATE					
* HOLE TOLERANCES +.004/-.001 * REMOVE ALL BURRS AND SHARP EDGES .01 R MAX * CONCENTRICITY MACHINED DIA: .002 FIM * MACHINE TOOL MISMATCH .003 MAX		QA	DATE		SIZE	CAGE CODE	DWG NO	REV
					28812		20768-500	
THIRD ANGLE PROJECTION 		RLSE	DATE		SCALE	1:1		SHEET 1 OF 1

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