


PRODUCT DATA SHEET
D10629

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: 80 - 1000 MHz
 Power: 2000 W CW (80-400 MHz), 1600 W CW (400-600 MHz), 1000 W CW (600-1000 MHz)
 Insertion Loss: 0.65 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 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: 4 lbs.
 Size: 5.7 x 4.7 x 1.75"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D10629-10	N Female	N Female
D10629-20	7/16 Female	N Female
D10629-22	7/16 Female	SMA
D10629-41	SC 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.

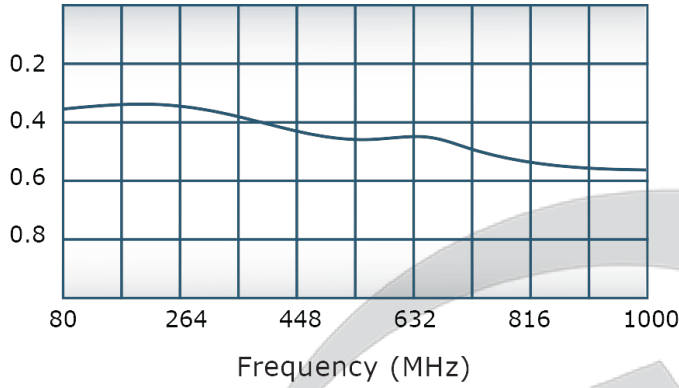
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

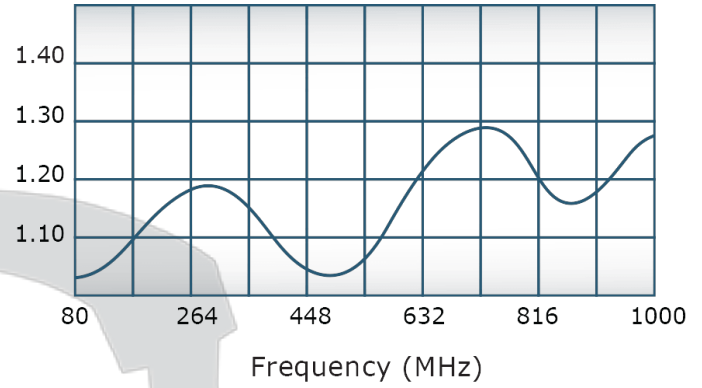


Performance Data (Specifications subject to change without notice):

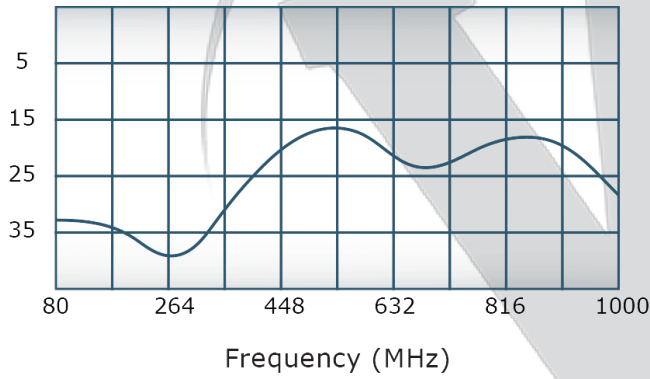
Insertion Loss:



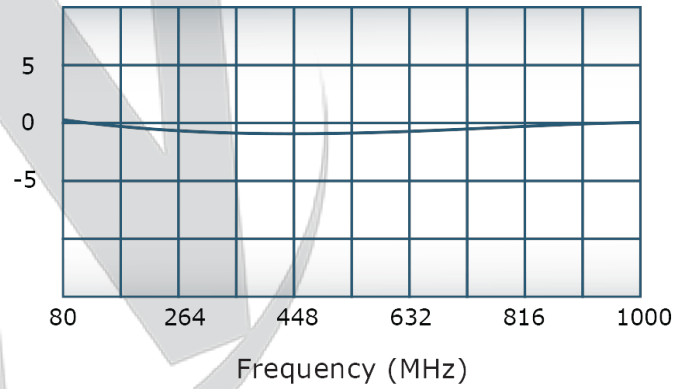
VSWR:



Isolation:

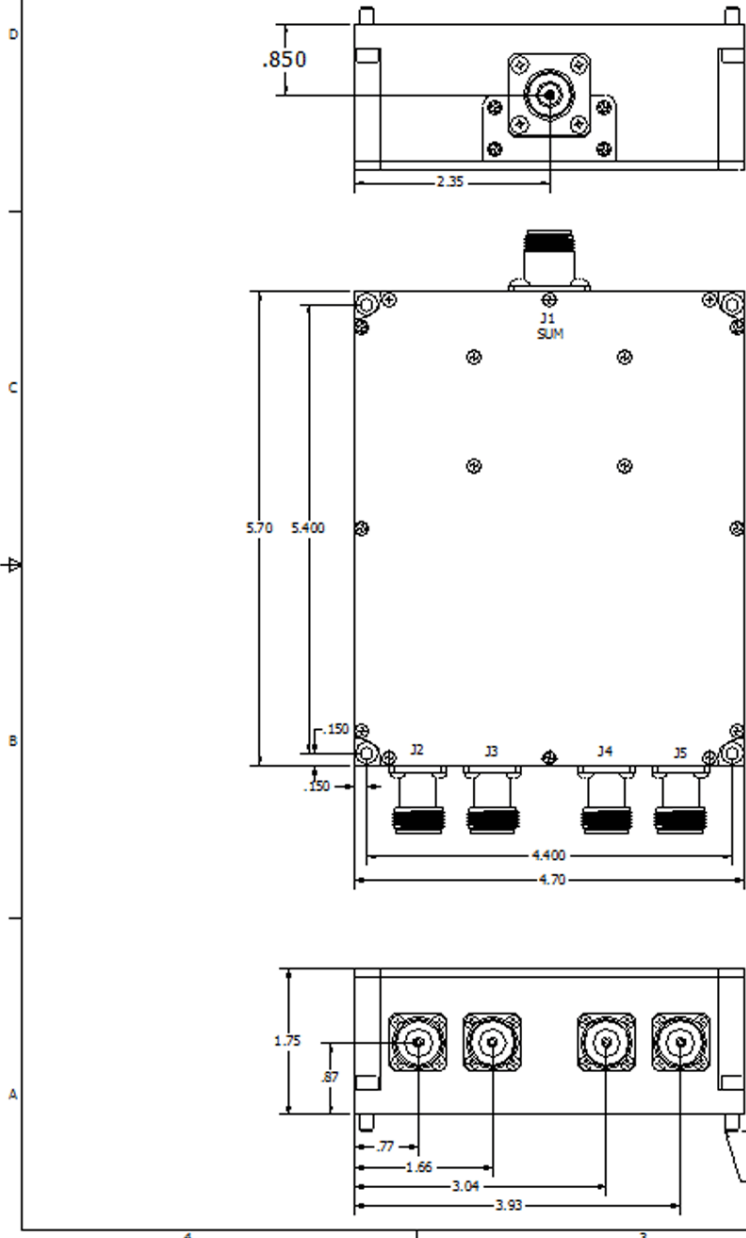


Phase Balance:



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REVISION HISTORY						
DATE	REV	REVISION RECORD	AUTH	CHK	APPV	
7/28/11	-	INITIAL RELEASE	PR			
5/28/13	A	8198	PR			
12/14/18	B	9718	PK			



UNLESS OTHERWISE SPECIFIED

DATE	7/28/2011	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563	
DATE				
TITLE	OUTLINE			
DATE		D9075		
DATE		REV	DATE	REV
DATE		C	28812	B
DATE		20788-500		
DATE		SCALE	1:1	
DATE				SHEET 1 OF 1

* INTERIOR OF DRAWING SHOWN UNLESS NOTED OTHERWISE
 * DIMENSIONS PER ASME Y14.5M-2009
 * PRACTICAL TOLERANCES ONLY
 * DIMENSIONS ARE IN INCHES
 * DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
 * TOLERANCES: ANGLES: .5°
 .000 .005
 .001 .015
 * HOLE TOLERANCES = DIA + .001
 * REMOVE ALL BURRS AND SHARP EDGES: 0.1 R MAX
 * CONCENTRICITY MACHINED DIA: .002 FDI
 * MACHINE TOOL VARIATION: .001 MAX
 THIRD ANGLE PROJECTION

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