



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.



WERLATONE

Model D10629

Combiners In-Phase Connectorized

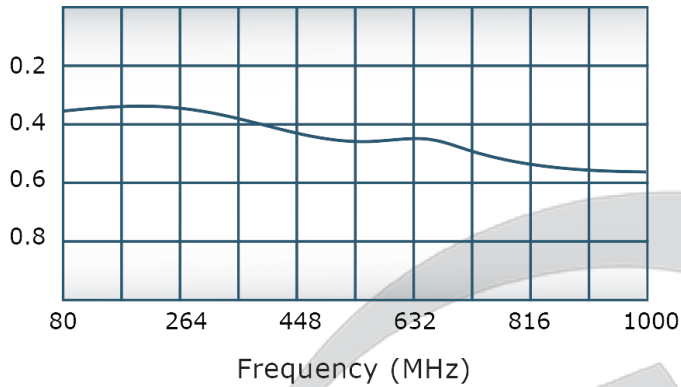


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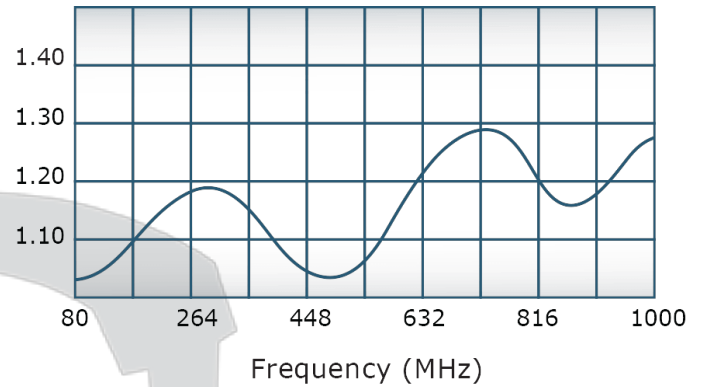
D10629

Performance Data (Specifications subject to change without notice):

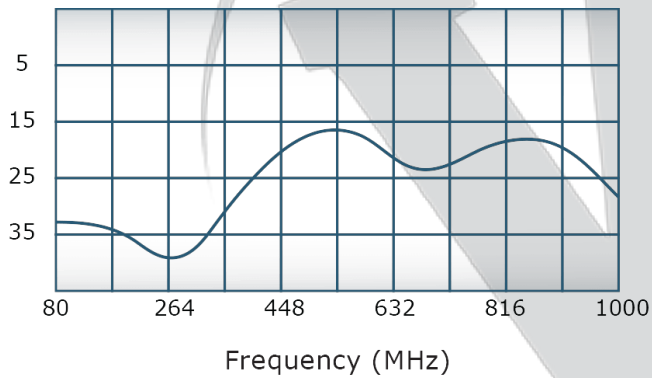
Insertion Loss:



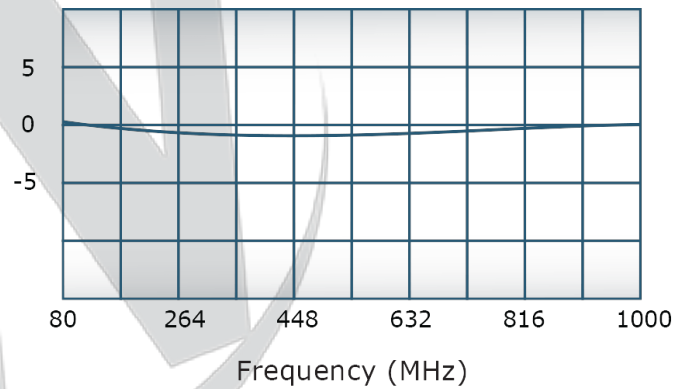
VSWR:



Isolation:



Phase Balance:



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REVISION HISTORY			AUTH	CHK	APPV
DATE	REV	REVISION RECORD			
7/28/11	-	INITIAL RELEASE	PR		
5/28/13	A	SLP	PR		
12/14/15	B	SPL	PK		

UNLESS OTHERWISE SPECIFIED:

- * IN TOLERANCE DRAWING DIMENSIONS - ISO
- * DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE
- * DIMENSIONS ARE TO CENTER UNLESS NOTED OTHERWISE
- * DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE
- * DIMENSIONAL CHANGES APPLY BEFORE PROCESSING

TOLERANCES:

ANGLES	DIMENSIONS
± .1°	.001
± .001	.005
± .015	.010

HOLE TOLERANCES = DIA ± .001

RADIOUS ALL BURS AND SHARP EDGES .01 R MAX

CONCENTRICITY FRACTIONS DIA. .001 POS

MACHINE TOOL VARIATION .001 MAX

THIRD ANGLE PROJECTION

WELATONE | SINCE 1965

**17 Jon Barrett Rd
Patterson, NY 12563**

OUTLINE

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3