



PRODUCT DATA SHEET

D10073

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: 400 - 1000 MHz
Power: 1000 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: 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: 3.0 lbs. 10 oz.
Size: 5.7 x 4.7 x 1.75"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D10073-10	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 D10073

Combiners In-Phase Connectorized

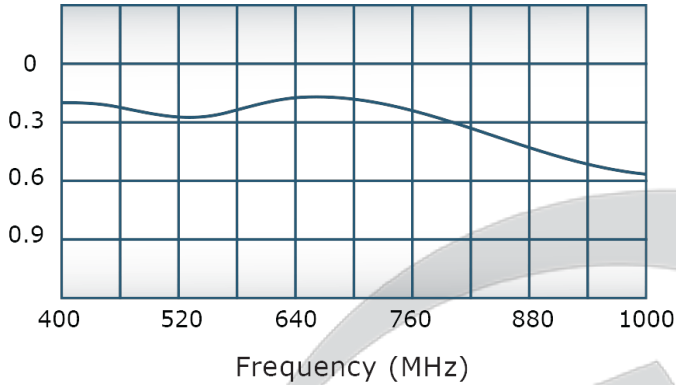


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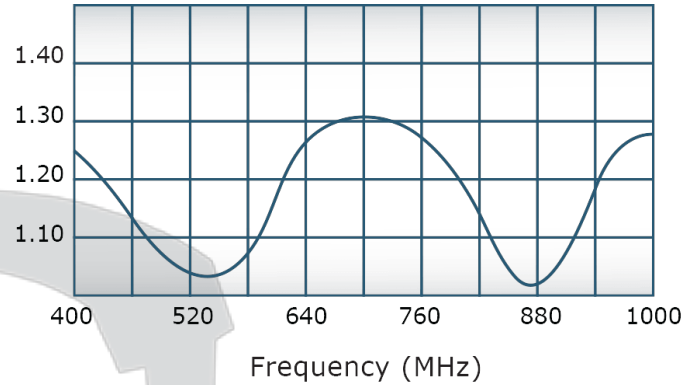
D10073

Performance Data (Specifications subject to change without notice):

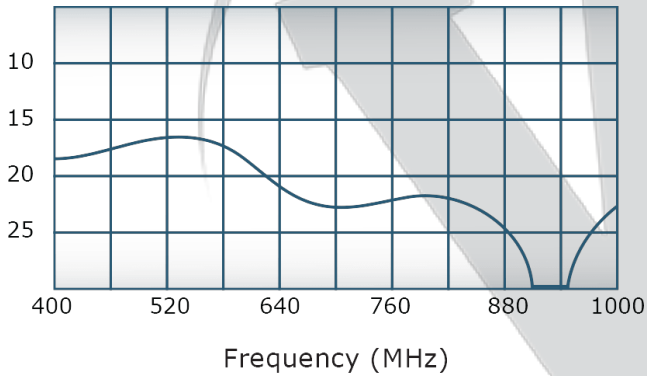
Insertion Loss:



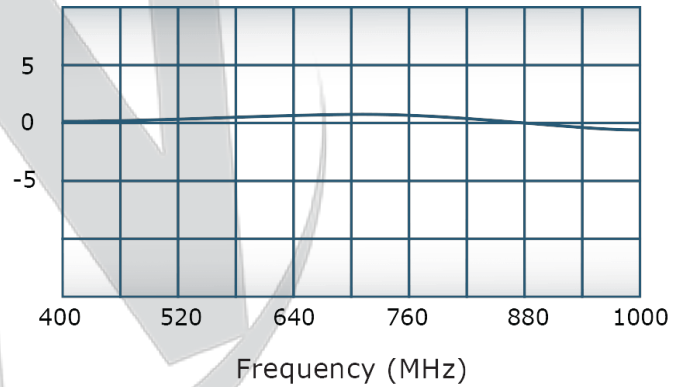
VSWR:



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
* INTERIOR DRAWING DATA VERLATONE-000 * DIMENSIONING PER ASME Y14.5-2009 * MAXIMUM THEORETICAL DIM. ROUND OFF ONLY * DIMENSIONS ARE IN INCHES * DIMENSIONAL LIMITS APPLY BEFORE PROCESSING	PR	DATE	OUTLINE DESIGNED D9075	
* TOLERANCES ANGLES • 2° • .005 • .010 * HOLE TOLERANCES - DIA-ONLY * REMOVE ALL BURRS AND SHARP EDGES 0.1 R MAX * CHAMFER TOP OF CHAMFER DIA. 0.0625 R * FINISH: TOOL FINISH OR 300	CHK	DATE	SIZE	C 28812 20788-500
* THIRD ANGLE PROJECTION 	DATE	DATE	SCALE	1:1 SHEET 1 OF 1

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Rev.-