

PRODUCT DATA SHEET

D11715

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: 500-3000 MHz
Power: 1,200 W CW
Insertion Loss: 0.5 dB Max.
VSWR: 1.35:1 Max.
Phase Balance: $\pm 6^\circ$ Max.
Amplitude Balance: 0.35 dB Max.
Isolation: Non-Isolated

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
Size: 5.9 x 4.5 x 1.6"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D6669-10	7/16 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 D11715

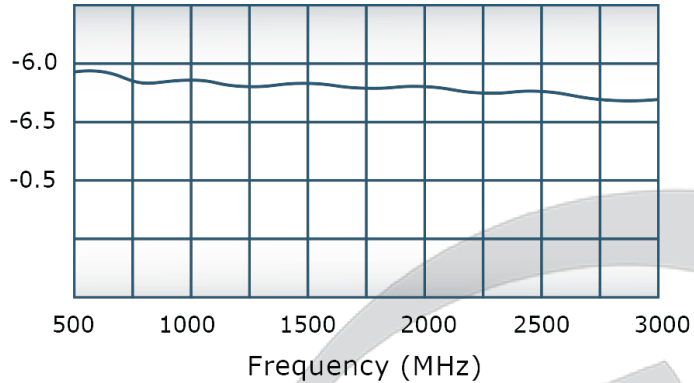
Combiners In-Phase Connectorized

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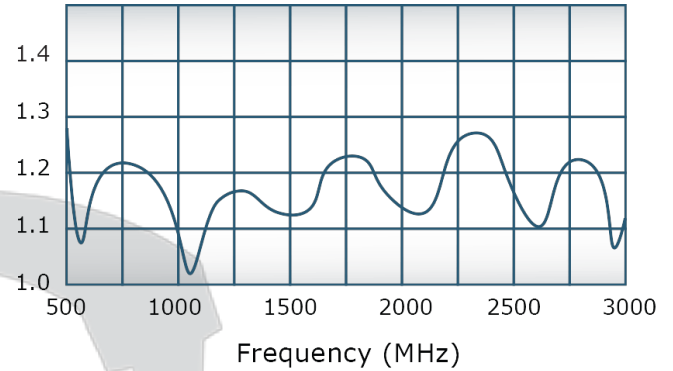
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Performance Data (Specifications subject to change without notice):

Insertion Loss:



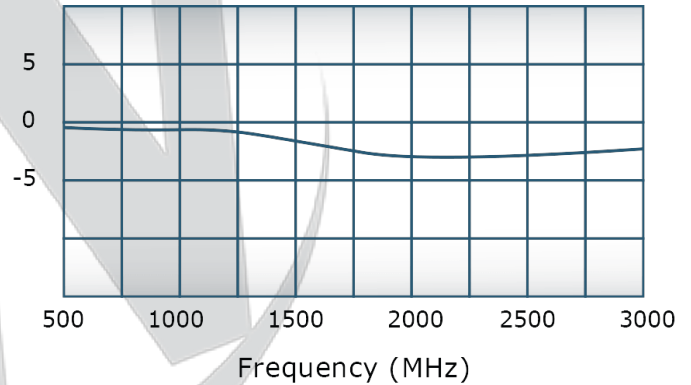
VSWR:



Since 1965:



Phase Balance:

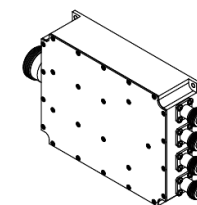


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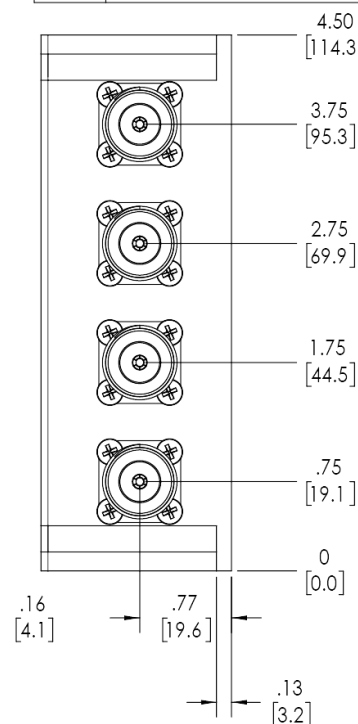
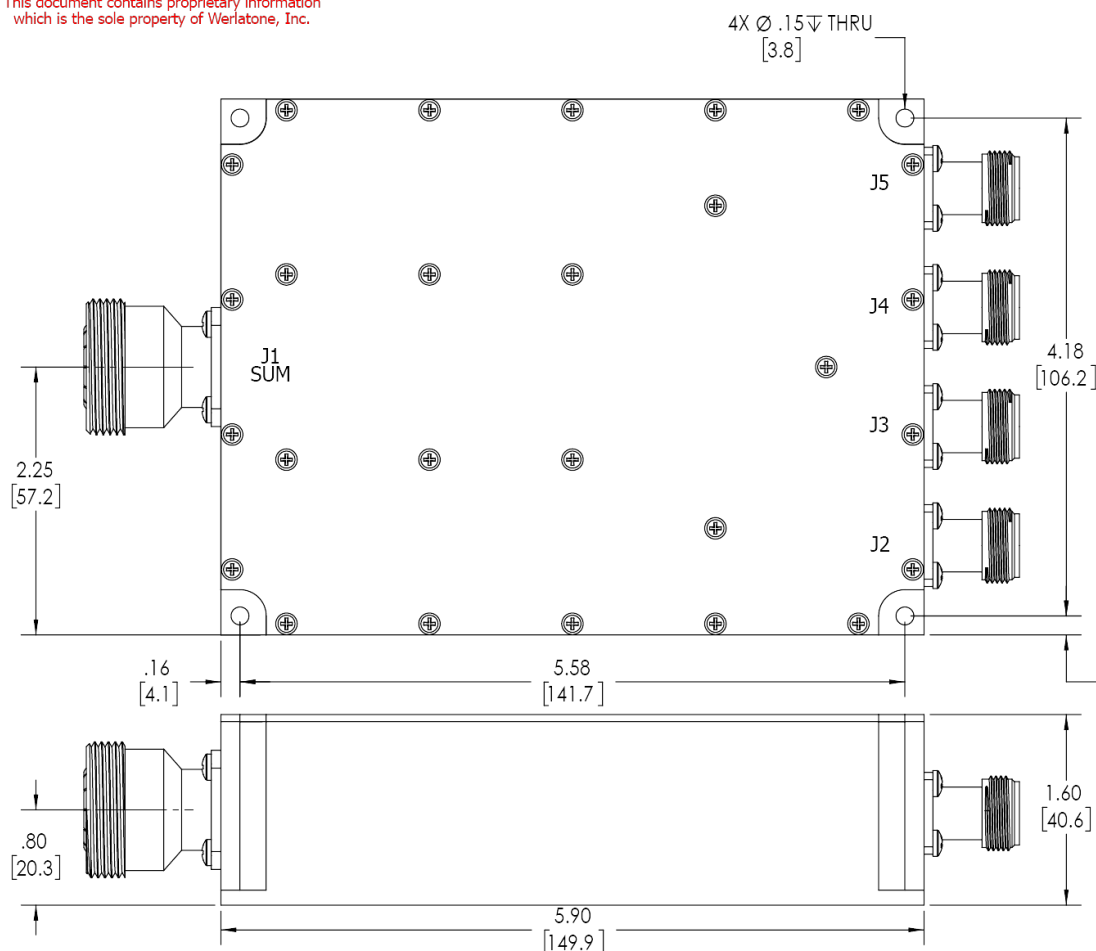
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	08/07/2018	GP



VIEW FOR REFERENCE ONLY



<div>NEXT ASSY</div> <div>USED ON</div> <div>APPLICATION</div>	UNLESS OTHERWISE SPECIFIED		OWN	DATE	<div><div>W</div><div>WERLANTON SINCE 1965</div></div> <div>TITLE</div> <div>OUTLINE</div> <div>SIZE</div> <div>GAGE C/O DR</div> <div>DWSO NO.</div> <div>B 28812 21638-500</div> <div>SCALE</div> <div>1:1</div> <div>SHEET 1 OF 1</div>	17 Jon Barrett Rd Patterson, NY 12563
	INTERPRET DRAWING IN INCH MIL-STD-100		WD	11/30/2018		
	DIMENSIONS PER ASME Y14.5-2009		CHK	DATE		
	PARENTHETICAL DIMS FOR BEST FIT ONLY		GP	8/7/2018		
	DIMENSIONS ARE IN [inches] (mm)		ENGR	DATE		
	DIMENSIONAL LIMITS APPLY PER REE PROCESSES		WD	8/7/2018		
	TOLERANCES:		REFOR	DATE		
	ANGLES ± 1°		QA	DATE		
	3 PL ± .002 (1")		RLSE	DATE		
	2 PL ± .015 (1")					
	REMOVE ALL BURRS AND SHARP EDGES R0.1 MAX					
	C-CONCENTRICITY MACHINED DATE .002 PPM					
	MACHINE TOOL INSPECTION .001 PPM					

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