

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

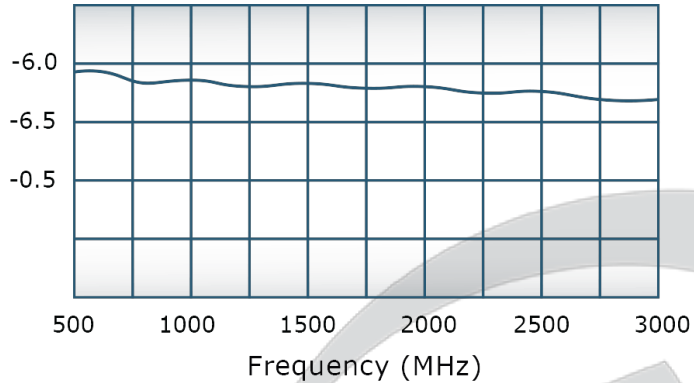
Combiners In-Phase Connectorized

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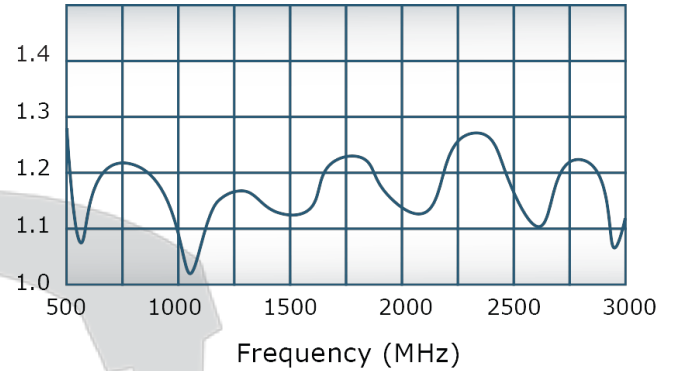
D11715

Performance Data (Specifications subject to change without notice):

Insertion Loss:



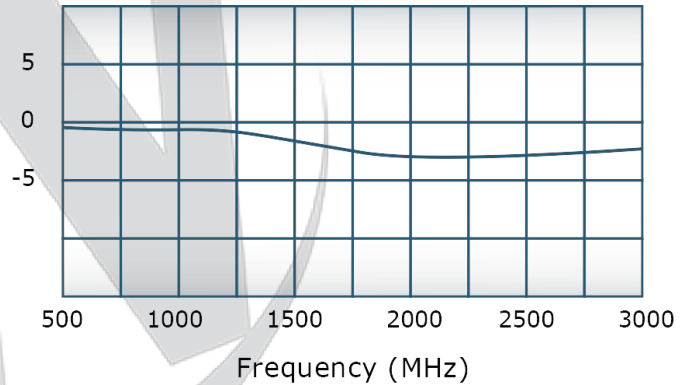
VSWR:



Since 1965:



Phase Balance:

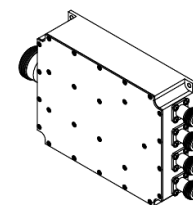


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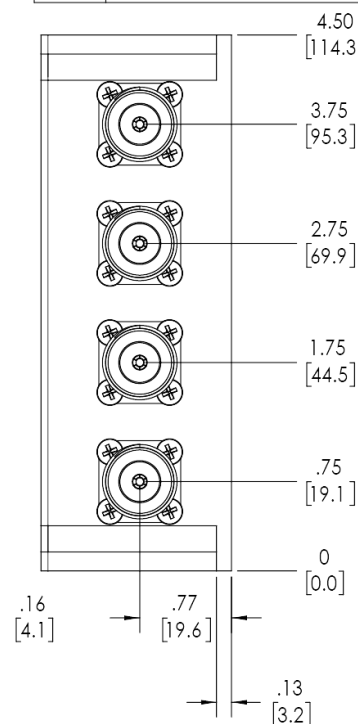
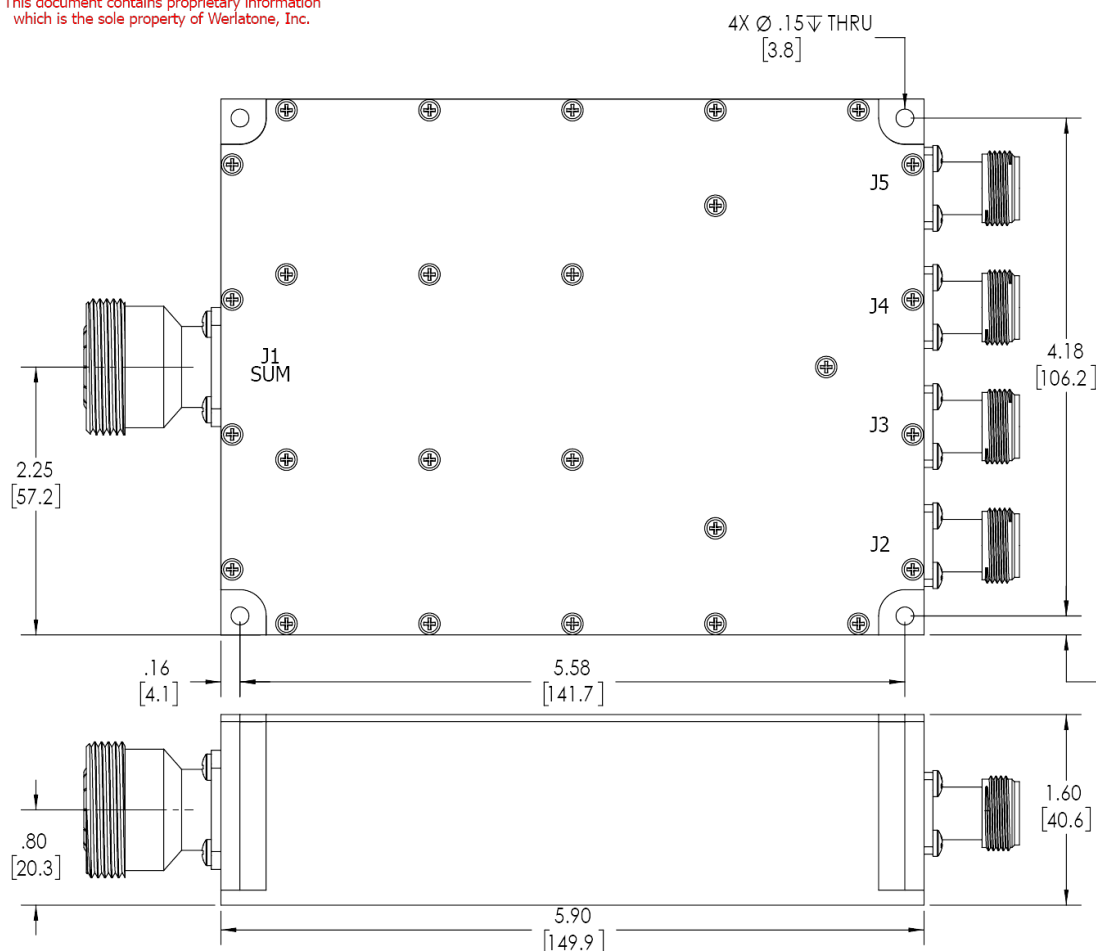
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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



VIEW FOR REFERENCE ONLY



NEXT ASSY D1715 USED ON APPLICATION	UNLESS OTHERWISE SPECIFIED		OWN	DATE	W WERNATLON SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563			
	INTERPRET DRAWING IN ACC. WITH: 100		WD	11/30/2018					
	DIMENSIONS PER ASME Y14.5-2009		CHK	DATE					
	PARENTHETICAL DIMS. FOR BEST USE ONLY		GP	8/7/2018					
	DIMENSIONS ARE IN [inches]		ENGR	DATE					
	DIMENSIONAL LIMITS APPLY PER: REE PROCESSES TOLERANCES:		WD	8/7/2018	TITLE				
	ANGLES = ± 1°		REFR	DATE	OUTLINE	SIZE	GAGE C/O DR	DWSO NO.	REV
	3 PL. ± .002 (1")		QA	DATE		B 28812	21638-500	-	
	2 PL. ± .015 (1")		RLSE	DATE		SCALE	1:1	SHEET 1 OF 1	
	REMOVE ALL BURRS AND SHARP EDGES R.01 MAX								
C-1 CENTRICITY MACHINED DATE: 2002 RPK									
MACHINE TOOL INSPECTOR: 060 MAX									
THIRD ANGLE PROJECTION									

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