



PRODUCT DATA SHEET

D10119

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 Custom Designs Available

Electrical Specifications:

Frequency: 700 - 4200 MHz
Power: 2000 W CW
Insertion Loss: 0.3 dB Max.
VSWR: 1.35:1 Max.
Phase Balance: $\pm 6^\circ$ Max.
Amplitude Balance: 0.3 dB Max.
Isolation: Non-Isolated

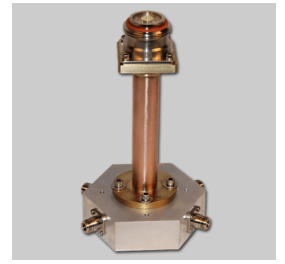
Mechanical Specifications:

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
Weight: 5.0 lbs.
Size:

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D10119-500	13-30 DIN (F)	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.

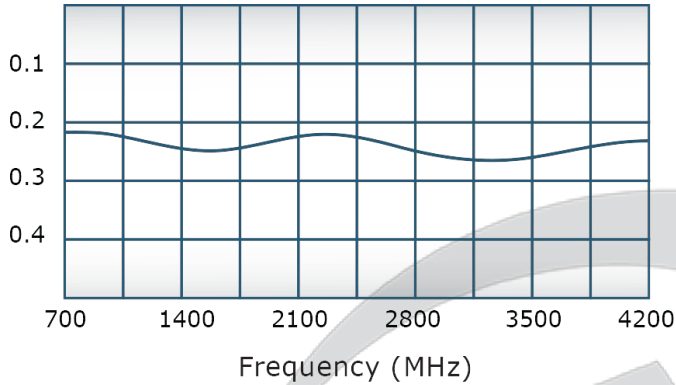


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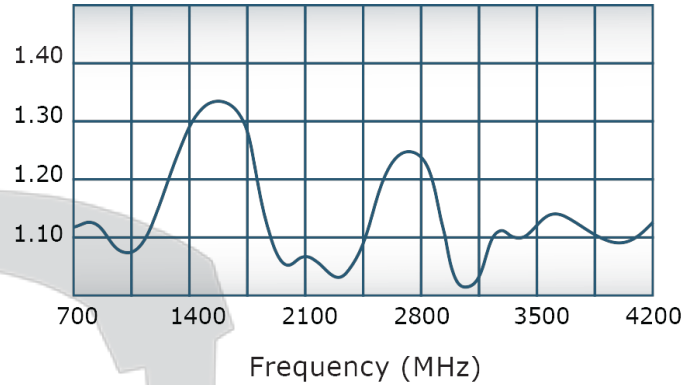
D10119

Performance Data (Specifications subject to change without notice):

Insertion Loss:



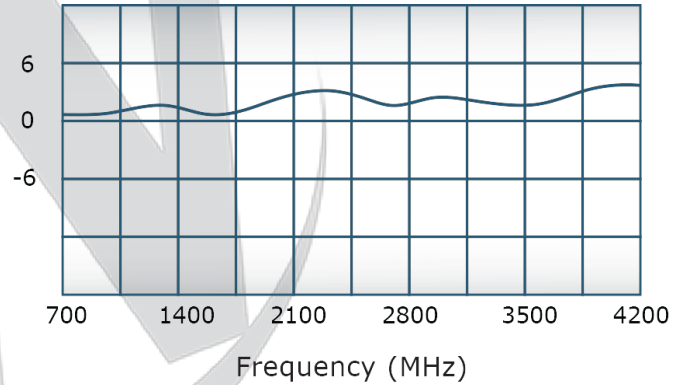
VSWR:



Since 1965:



Phase Balance:

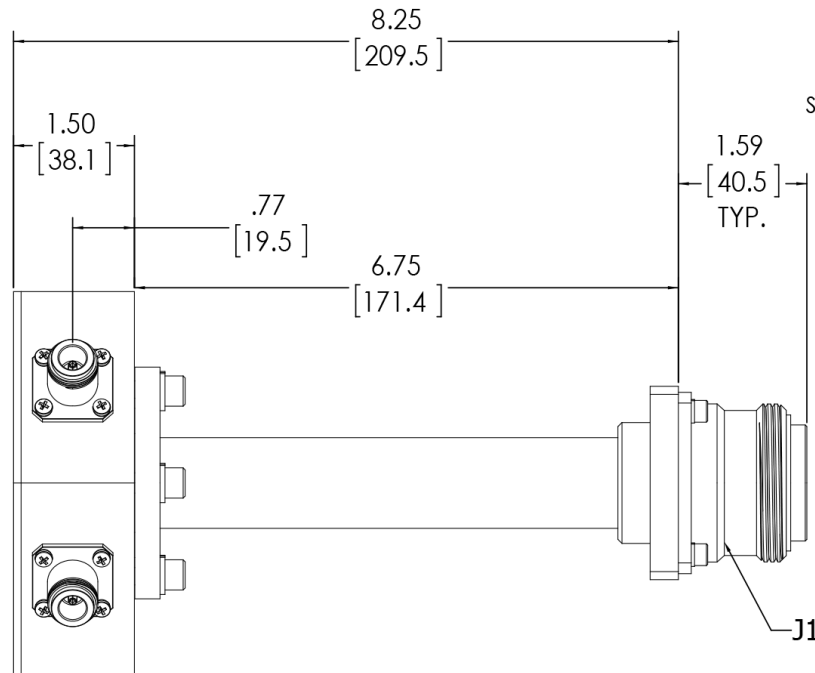


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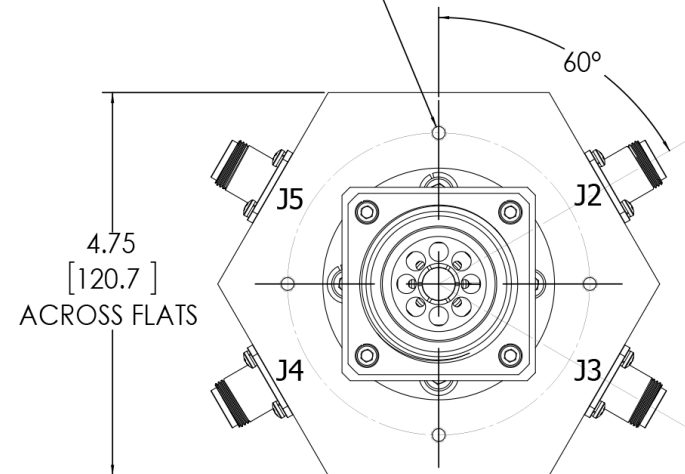
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL-RELEASE	11/21/2014	BW



4X TAP 10-32 ∇ .45 [11.4]
SPACED 90° ON A 3.750 [95.3] $\pm$.003 BC



		UNLESS OTHERWISE SPECIFIED		DWN	GP	DATE	 WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100 DIMENSIONING PER ASME Y14.5M-2009 PARENTHESES ARE FOR REF ONLY DIMENSIONS ARE IN INCHES TOLERANCES: ANGLES ± 2 3 PL ± .005 2 PL ± .015 REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CONCENTRICITY MACHINED DIA: .002 FIM MACHINED TOOL MISMATCH .002 MAX.		CHK	CS	DATE	TITLE			
				ENGR	GP	DATE	D10119 4-WAY COMBINER/DIVIDER			
				MGR		DATE	SIZE		CAGE CODE	DWG NO
				QA		DATE	C		28812	21218-500
				RLSE		DATE	SCALE		1:1	Sheet 1 of 1
D10119										
NEXT ASSY		USED ON								
APPLICATION		THIRD ANGLE PROJECTION								

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