Model D9820
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D9820**

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:	1.5 - 30 MHz
Power:	100 W CW
Insertion Loss:	0.7 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.3 dB Max.
Isolation:	25 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:	4.0 lbs. 2 oz.
Size:	7.0 x 5.0 x 2.0''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2-J7)**
D9820-10	N Female	N Female
D9820-12	N Female	SMA

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.

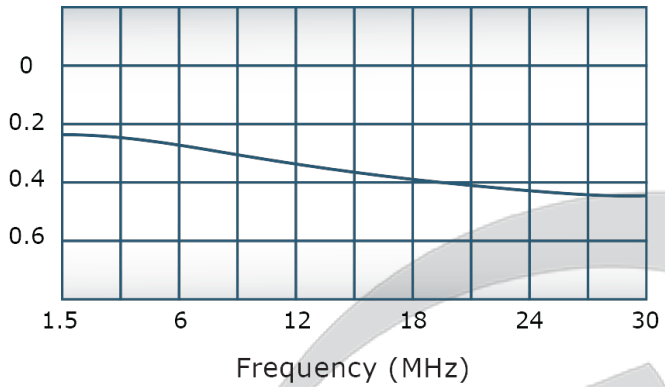
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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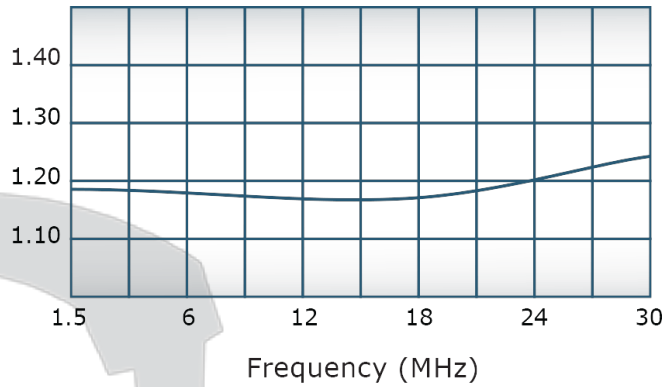
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Performance Data (Specifications subject to change without notice):

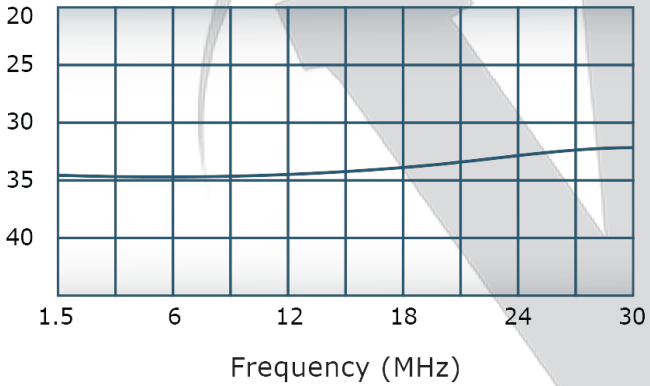
Insertion Loss:



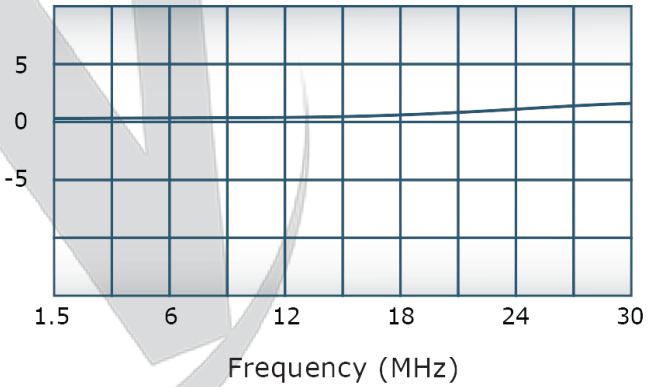
VSWR:



Isolation:



Phase Balance:

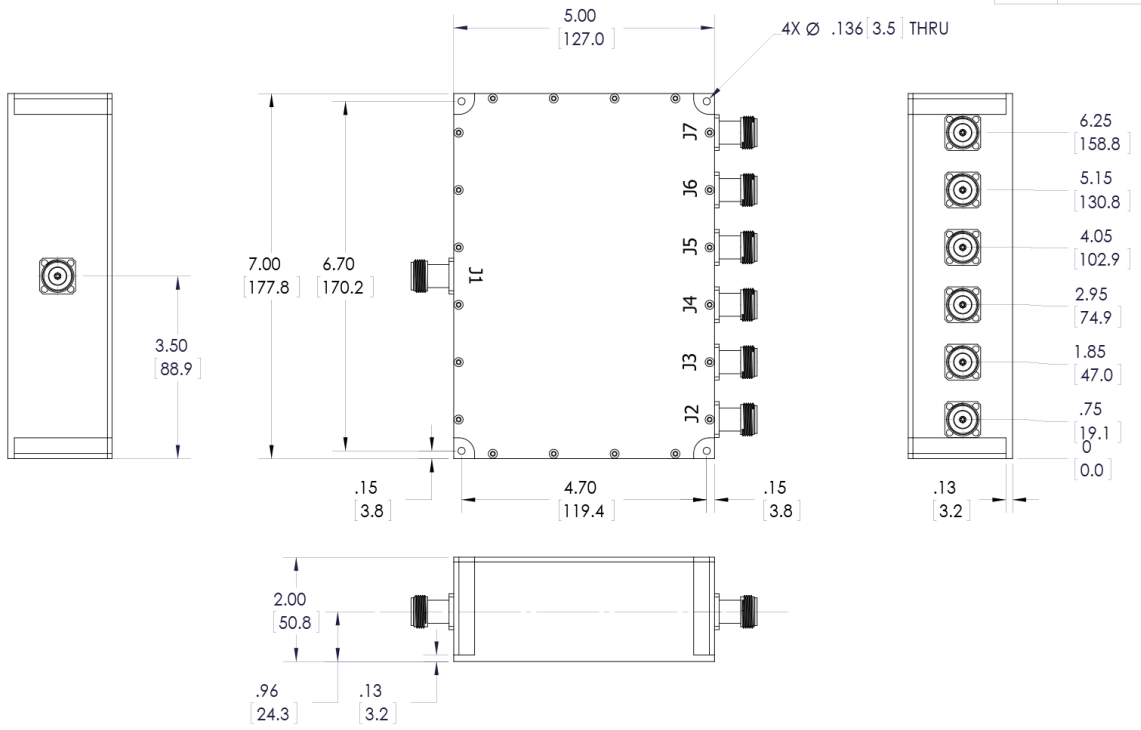


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REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	10/8/2013	BW



NEXT ASSY	USED ON	UNLESS OTHERWISE SPECIFIED	DWN	DATE	WERLATONE SINCE 1965 — 17 Jon Barrett Rd, Patterson, NY 12563
APPLICATION		· INTERPRET DRAWING IAW MIL-STD-100 · DIMENSIONING PER ASME Y14.5M-2009 · PARENTHETICAL INFO FOR REF ONLY · DIMENSIONS ARE IN INCHES [mm] · DIMENSIONAL LIMITS APPLY BEFORE PROCESSES · TOLERANCES: ANGLES ± 2° 3 PL ± .005 [.13] 2 PL ± .015 [.38] · REMOVE ALL BURRS AND SHARP EDGES R.01 MAX · CONCENTRICITY MACHINED DIA: .002 FIM · MACHINE TOOL MISMATCH .003 MAX	PP	3/26/2013	TITLE: OUTLINE
			CHK	DATE	
			PR	10/8/2013	SIZE: B · CAGE CODE: 28812 · DWG NO: 22002-500 · REV: -
			ENGR	DATE	
			MFGR	DATE	SCALE: 1:2 · SHEET 1 OF 1
			QA	DATE	
		THIRD ANGLE PROJECTION	RLSE	DATE	

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