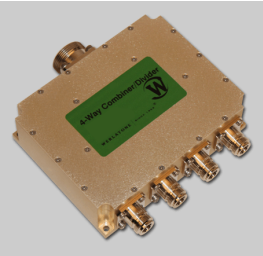
WERLATONE

Model D9810
Combiners In-Phase Connectorized



PRODUCT DATA SHEET **D9810**

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:	800 - 2500 MHz
Power:	600 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.25 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:	5.5 x 4.25 x 1.6''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2-J5)**
D9810-10	N Female	N Female
D9810-12	N Female	SMA
D9810-20	7/16 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.

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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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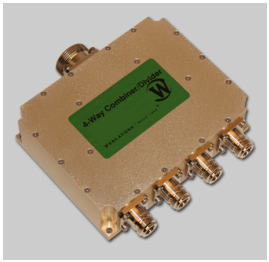
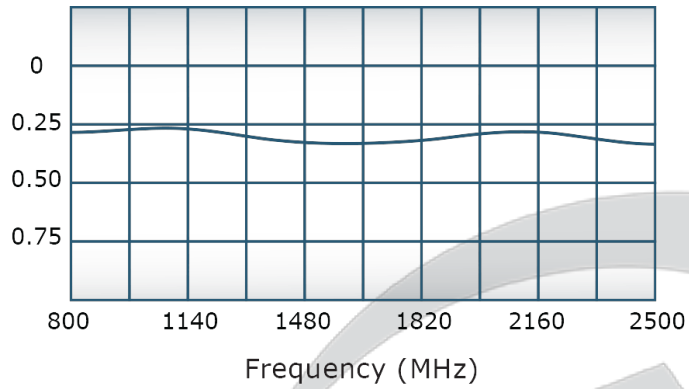
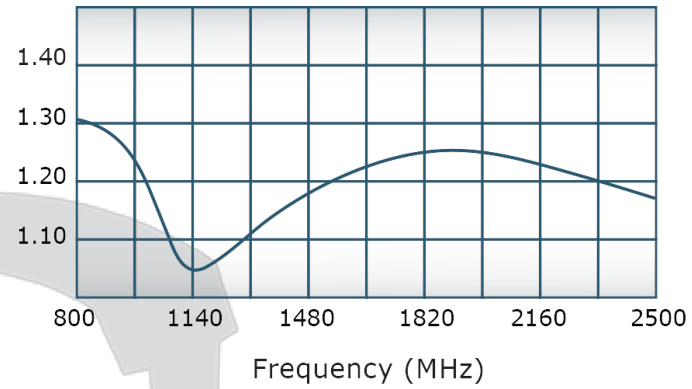


Performance Data (Specifications subject to change without notice):

Coupling:

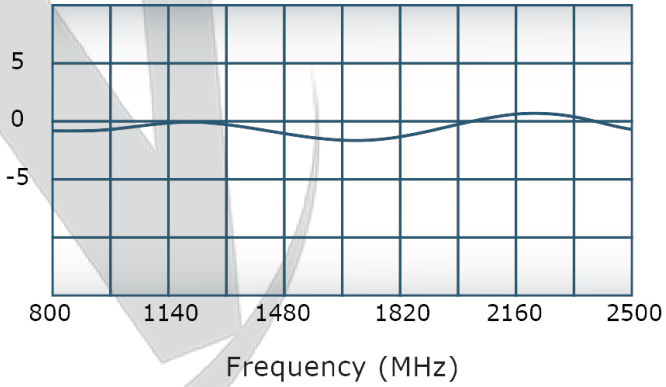


VSWR:



Since 1965:

Phase Balance:



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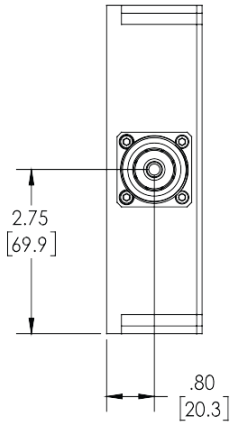
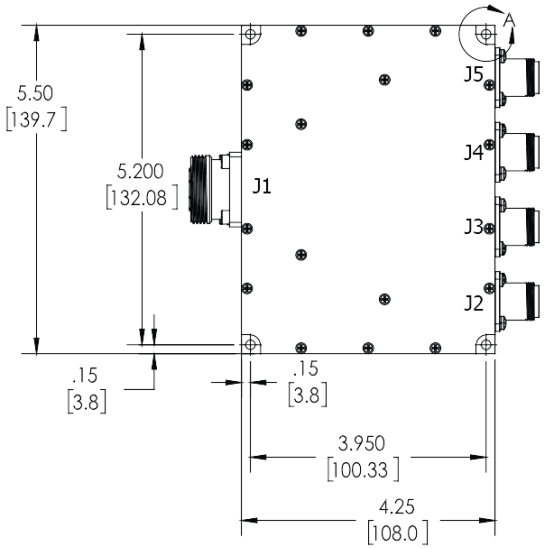
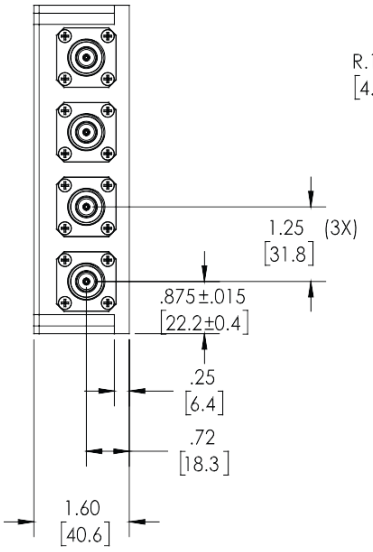
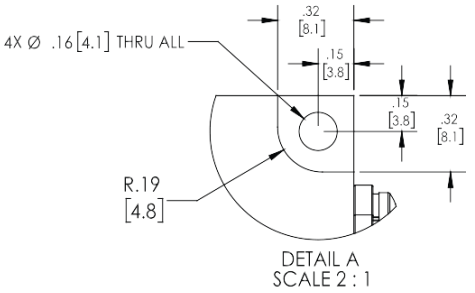
REVISIONS			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	3/1/2013	BW
A	ECN 8563	2/14/2014	BW
B	ECN 9844	10/3/2019	BW









		UNLESS OTHERWISE SPECIFIED	DWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
		• INTERPRET DRAWING IAW MIL-STD-100	GP	3/1/2013		
		• DIMENSIONING PER ASME Y14.5M-2009	CHK	DATE		
		• PARENTHETICAL INFO FOR REF ONLY	CS	3/1/2013	TITLE	
		• DIMENSIONS ARE IN INCHES [mm]	ENGR	DATE		
		• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	MFGR	DATE		
	D9811-20	• TOLERANCES: ANGLES ± 2° 3 PL ± .005 [.13] 2 PL ± .015 [.38]	QA	DATE	SIZE / CAGE CODE / DWG NO / REV	
21008-300A	D9343-20		RLSE	DATE	B / 28812 / 21008-500 / B	
NEXT ASSY	USED ON		SCALE		1:2	SHEET 1 OF 1
APPLICATION		THIRD ANGLE PROJECTION				

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