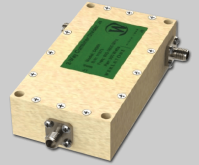




WERLATONE

Model D8986



PRODUCT DATA SHEET

D8986

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: 800 - 3800 MHz
Power: 300 W CW
Insertion Loss: 0.5 dB Max.
VSWR: 1.40:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.2 dB Max.
Isolation: 15 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
Size: 3.7 x 1.9 x 0.87"

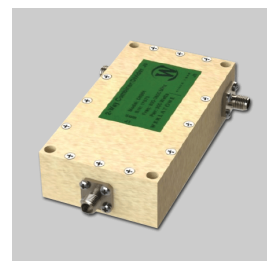
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D8986-10	N Female	N Female	N Female
D8986-12	N Female	SMA	SMA
D8986-102	SMA	SMA	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

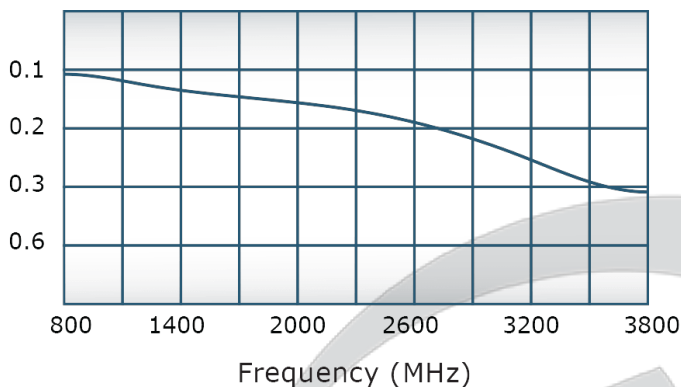


PRODUCT DATA SHEET

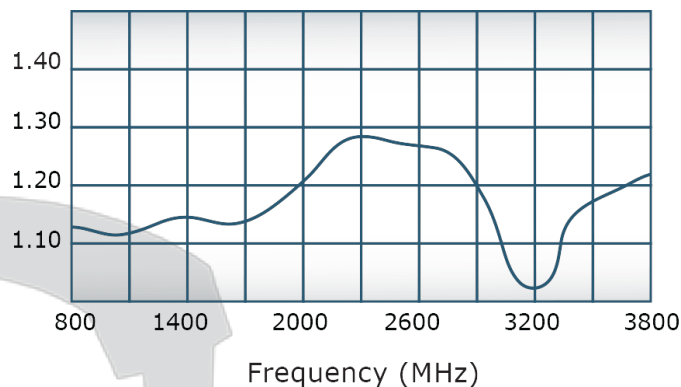
D8986

Performance Data (Specifications subject to change without notice):

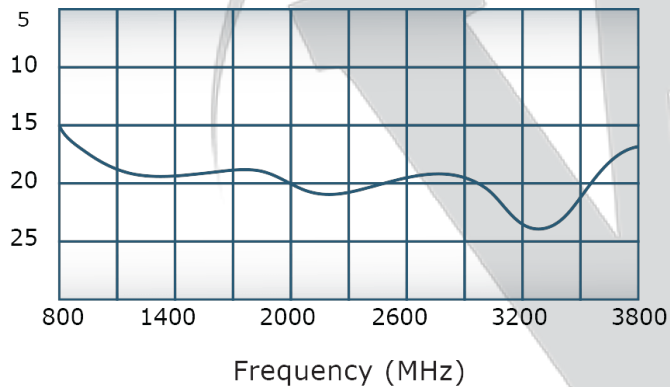
Insertion Loss:



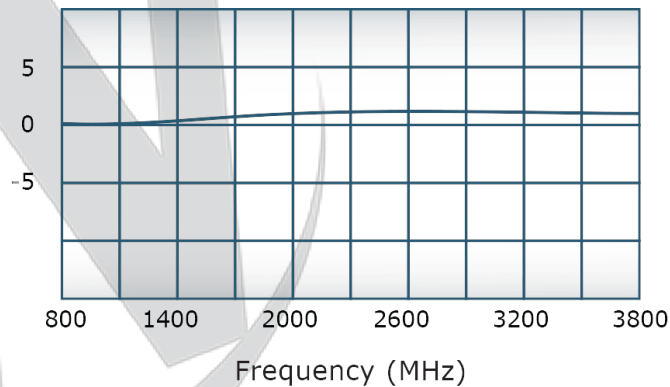
VSWR:



Isolation:



Phase Balance:

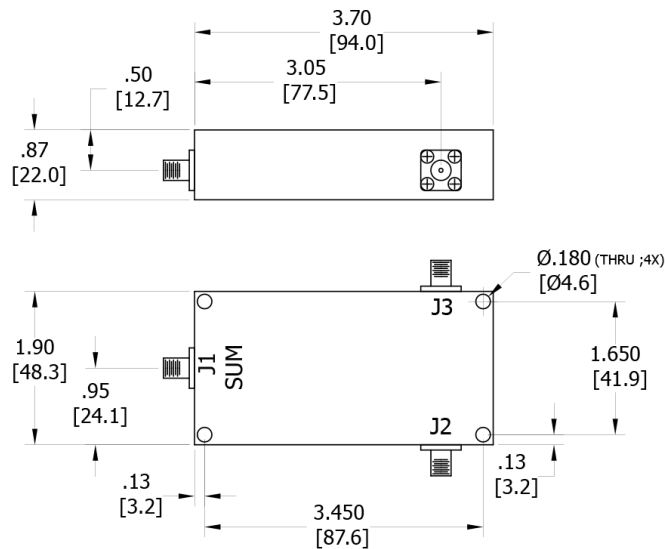


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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
4/26/2011	-	INITIAL RELEASE	NH	BW	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	W WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
INTERPRET DRAWING IAW MIL-STD-100		NH	04/26/11	TITLE	OUTLINE		
DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
PARAMETRICAL INFO FOR REF ONLY		BW	04/26/11	USED ON			
DIMENSIONS ARE IN INCHES		ENGR	DATE				
TOLERANCES: ANGLE ± 2°		BW	04/26/11	SIZE	CAGE CODE	DWG NO	REV
3 PL DECIMALS ± .005		QA	DATE				
2 PL DECIMALS ± .015		RLSE	DATE	A	28812	20759-500	-
THIRD ANGLE PROJECTION				SCALE	1:2	SHEET 1 OF 1	

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