



PRODUCT DATA SHEET

D9913

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: 127 - 128 MHz
Power: 500 W CW
Insertion Loss: 0.4 dB Max.
VSWR: 1.25:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.3 dB Max.
Isolation: 20 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
Design: Non-Magnetic Design
Size: 5.0 x 6.0 x 2.25"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D9913-10	N Female	N Female
D9913-20	7/16 Female	N Female
D9913-22	7/16 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.



WERLATONE

Model D9913

Combiners In-Phase Connectorized

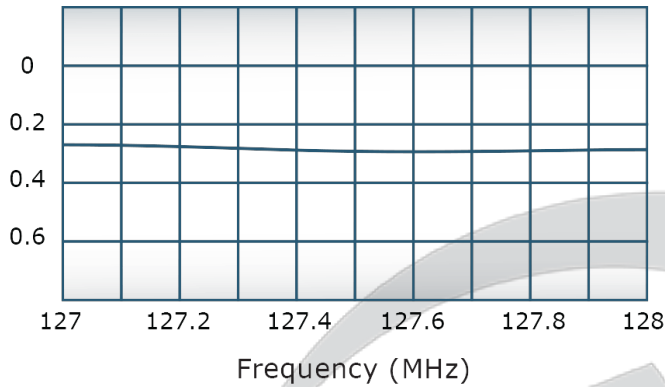


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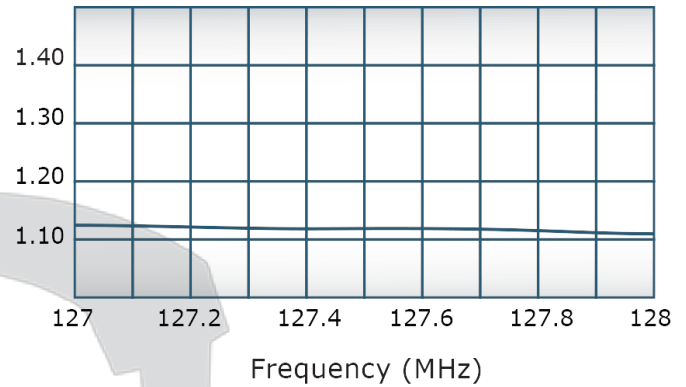
D9913

Performance Data (Specifications subject to change without notice):

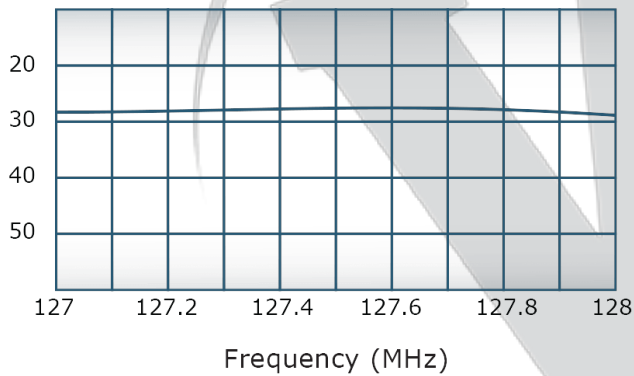
Insertion Loss:



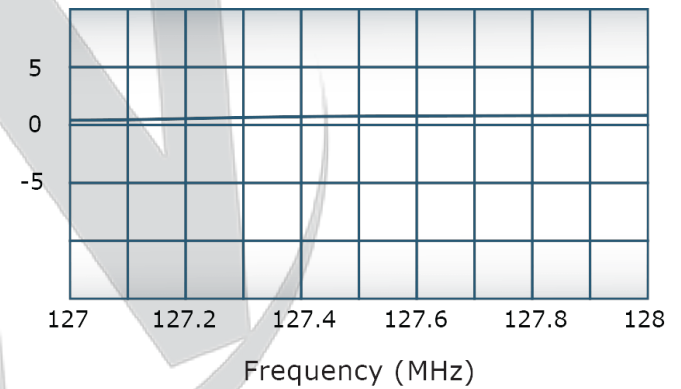
VSWR:



Isolation:



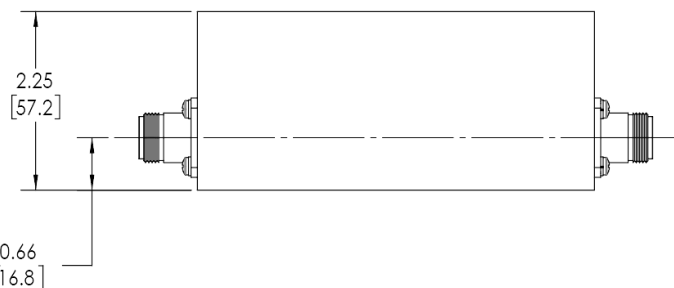
Phase Balance:



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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
A	ECN 9696	9/10/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS:
J1-J5: N FEMALE

UNLESS OTHERWISE SPECIFIED		DWN	DATE	 WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
INTERPRET DRAWING INW HLSTD-100 DIMENSIONING PER ASME Y14.5-2009 PARENTHETICAL SURF. FIN. REF ONLY DIMENSIONS ARE IN INCHES DIMENSIONS SHALL APPLY BEFORE FINISHES TOLERANCES ANGLES ± 2° 3 PL. A .005 [.38] 3 PL. A .015 [.38] REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CONCENTRICITY MAXIMUM DIA. .002 FIN MACHINE TYP. REWORK .005 MAX	SD	9/10/2019	 OUTLINE				
	CHK	DATE					
	CS	9/10/2019					
	ENGR	DATE					
NEXT ASSY	USED ON	MFGR	DATE	SIZE	CAGE CODE	DWG NO	REV
APPLICATION	THIRD ANGLE PROJECTION 	QA	DATE	10905-500			A
		BLSE	DATE	SCALE	1:1.5		SHEET 1 OF 1

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