



PRODUCT DATA SHEET

D9888

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:	1000 - 3000 MHz
Power:	500 W CW
Insertion Loss:	0.35 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.25 dB Max.
Isolation:	15 dB Min.

Mechanical Specifications:

Type:

Non-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:

2.8 x 2.2 x 0.27"

Port Configurations:

Model

D9888-Ag

J1

Sum Port

J2/J3

Input Ports

J4/J5

50 ohm Termination

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 D9888

Combiners In-Phase Non-Connectorized

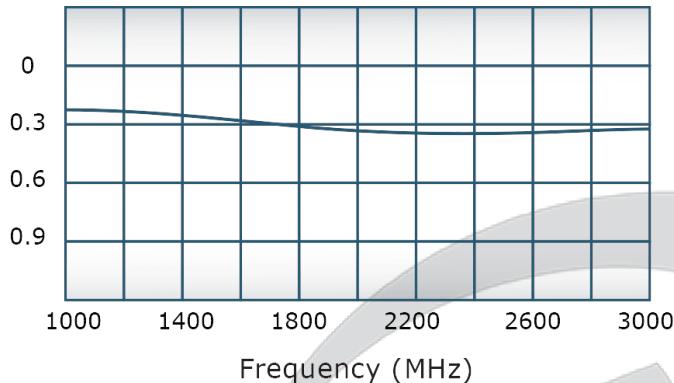


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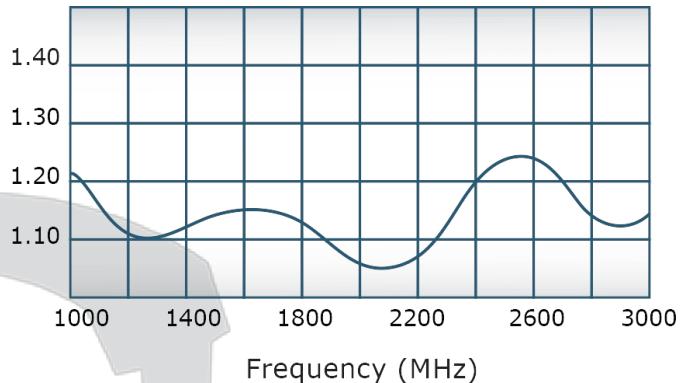
D9888

Performance Data (Specifications subject to change without notice):

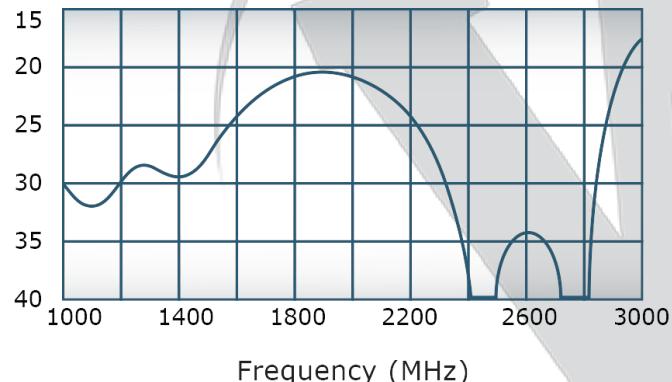
Insertion Loss:



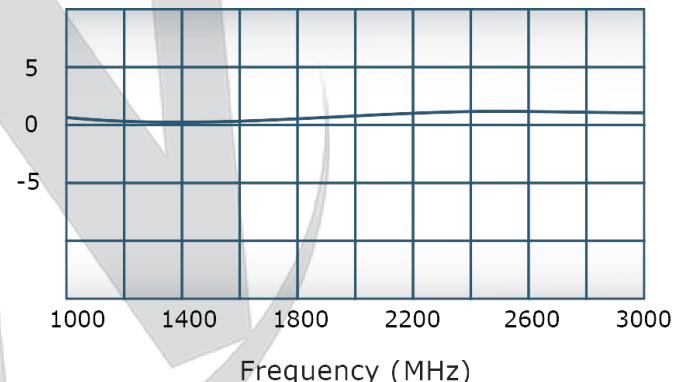
VSWR:



Isolation:



Phase Balance:



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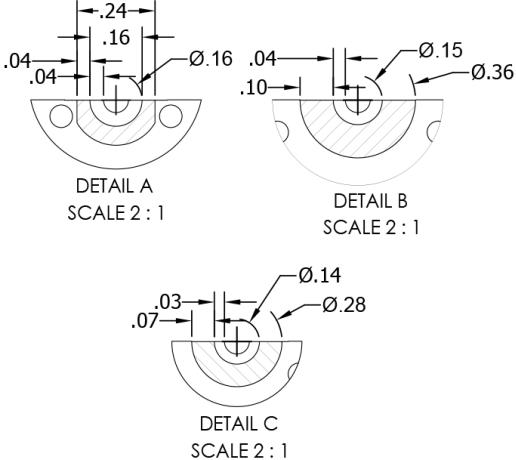
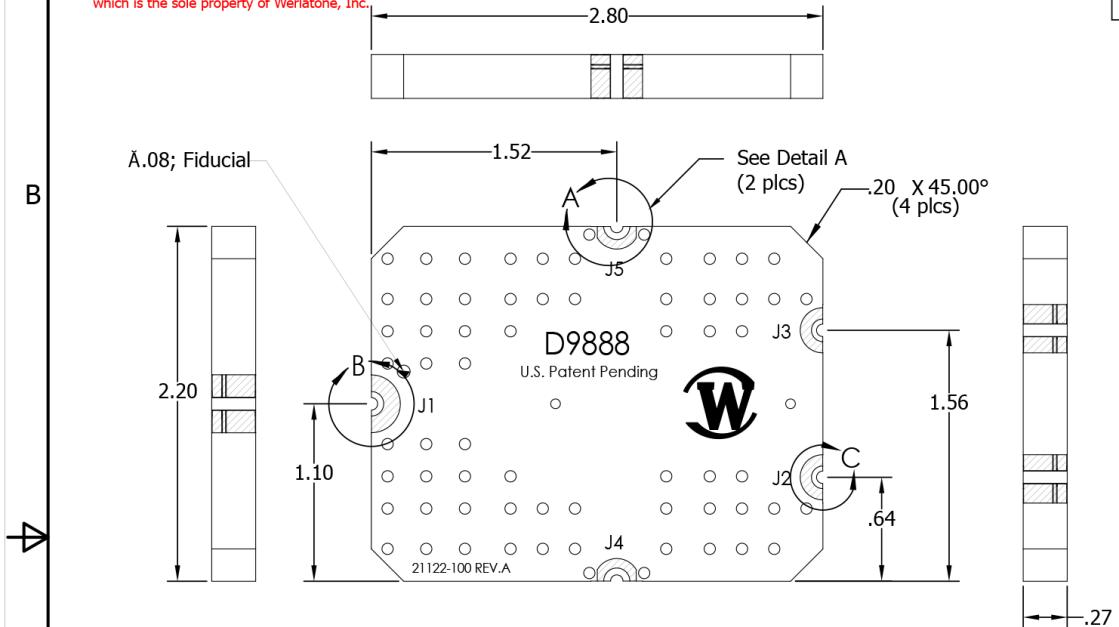
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2

1

REVISION HISTORY

REV	REVISION RECORD	DATE	APPROVED
-	Initial RIs	1/27/2014	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	W WERLATONE SINCE 1965		17 Jon Barrett Rd
•	INTERPRET DRAWING IAW MIL-STD-100	NH	01/27/14			Patterson, NY 12563
•	DIMENSIONING AND TOLERANCING ASME Y14.5M-2009	CHK	DATE			
•	PARTS DRAWN IN INCHES, EXCEPT WHERE OTHERWISE SPECIFIED	BW	01/27/14			
•	DIMENSIONS ARE IN INCHES	ENGR	DATE			
•	DIMENSIONAL LIMITS APPLY BEFORE	MFGR	DATE			
•	PROCESSES	QA	DATE	SIZE	CAGE CODE	DWG NO
•	TOLERANCES: ANGLES $\pm 2^\circ$ 3 PL $\pm .005$ 2 PL $\pm .015$	RLSE	DATE	A	28812	21122-500
THIRD ANGLE PROJECTION				SCALE	1:1	REV -
						SHEET 1 OF 1

2

1

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