



WERLATONE

Model D7539

Combiners In-Phase Connectorized



PRODUCT DATA SHEET

D7539

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 - 2800 MHz
Power:	200 W CW
Insertion Loss:	0.6 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.25 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
Weight:	1 lb. 9 oz.
Size:	5.5 x 4.1 x 1.09"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D7539-10	N Female	N Female
D7539-11	N Female	N Male
D7539-12	N Female	SMA
D7539-102	SMA Female	SMA 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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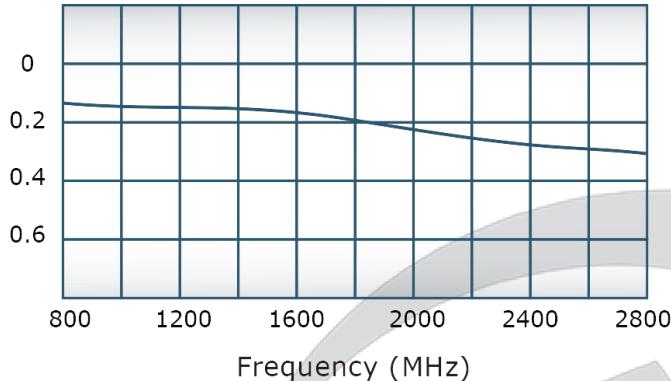


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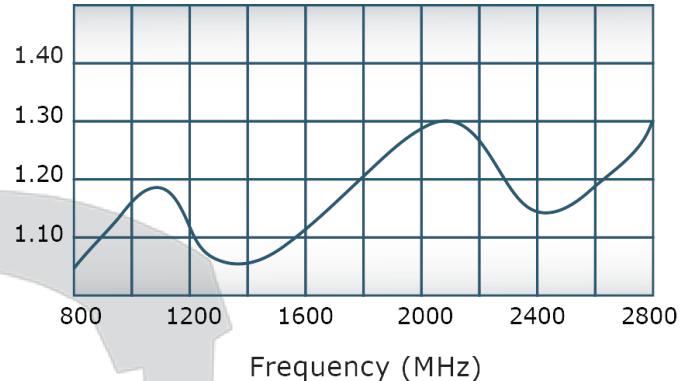
D7539

Performance Data (Specifications subject to change without notice):

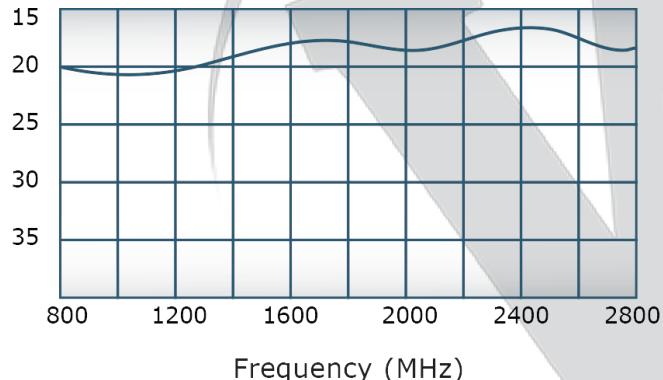
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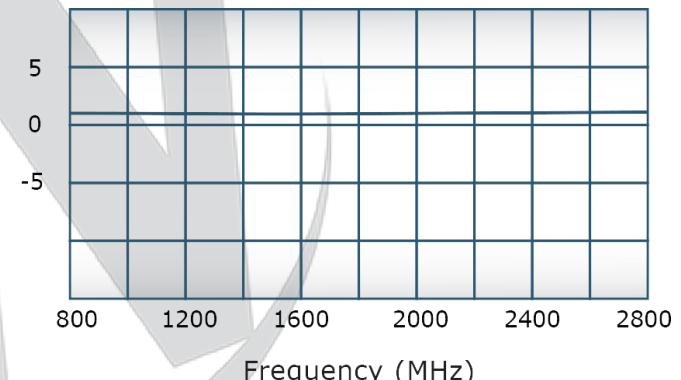
VSWR:



Isolation:



Phase Balance:



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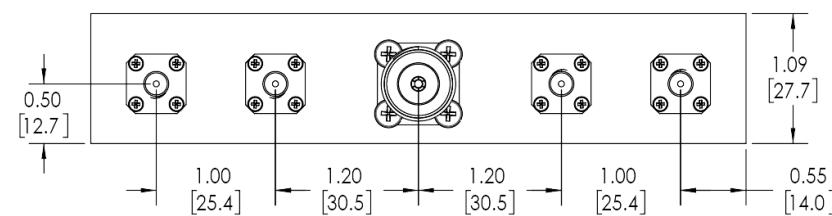
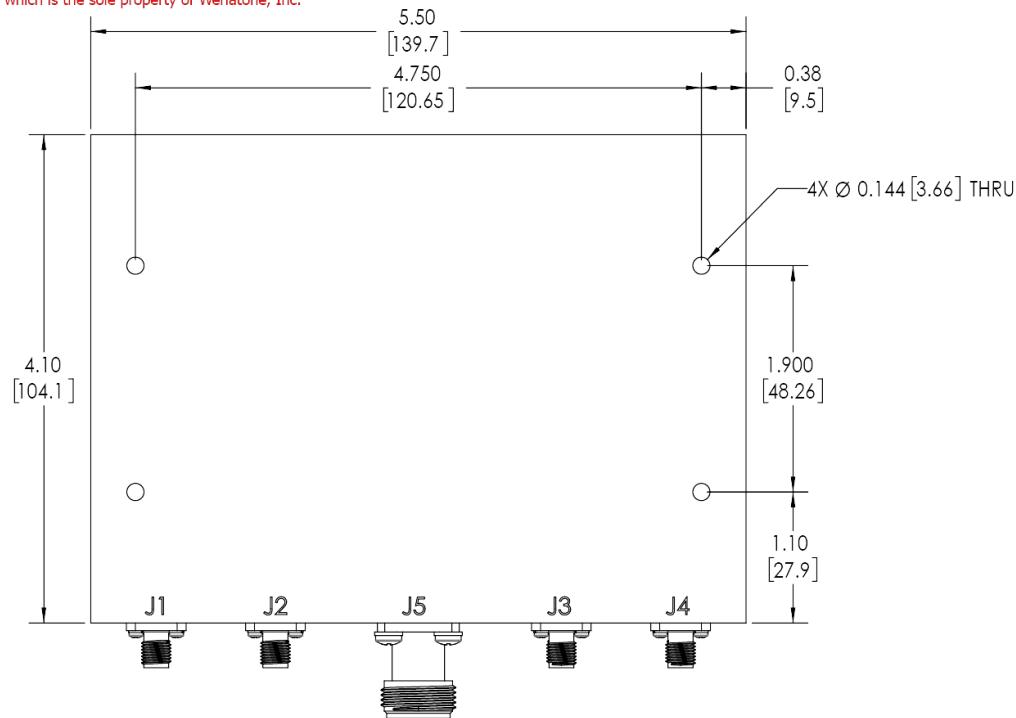
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REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/20/2019	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-J4: SMA FEMALE
J5: N FEMALE

UNLESS OTHERWISE SPECIFIED	OWN	DATE	17 Jon Barrett Rd
INTERPRET DRAWING AS MIL-STD-100	SD	11/20/2019	WERLATONE SINCE 1965
DRAWING BASED AS MIL-STD-100	CHK	11/20/2019	17 Jon Barrett Rd
PARENTHETICAL TYPE IS FOR REFERENCE ONLY	CS	DATE	Patterson, NY 12563
DIMENSIONS ARE IN INCHES	ENGR	DATE	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	MRGR	DATE	
TIERANCES	QA	DATE	
3 PL. ± .005 [1.27]	RELEASE	DATE	
2 PL. ± .010 [2.54]	SCALE	1:1	
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX			
CONCENTRICITY MACHINED CIR. .002 FIM			
MACHINE TRIM MISMATCH .003 MAX			
NEXT ASSY USED ON			
APPLICATION			
THIRD ANGLE PROJECTION			

OUTLINE

B 20191-500

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