



WERLATONE

Model D7572

Combiners In-Phase Connectorized



PRODUCT DATA SHEET

D7572

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:	20 - 500 MHz
Power:	25 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.2 dB Max.
Isolation:	25 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.
Size:	3.25 x 2.0 x 1.1"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2, J3)
C7572-10	N Female	N Female
C7572-300	TNC Female	TNC 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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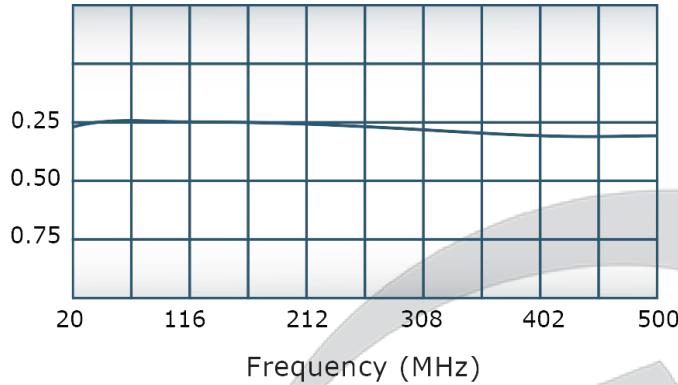


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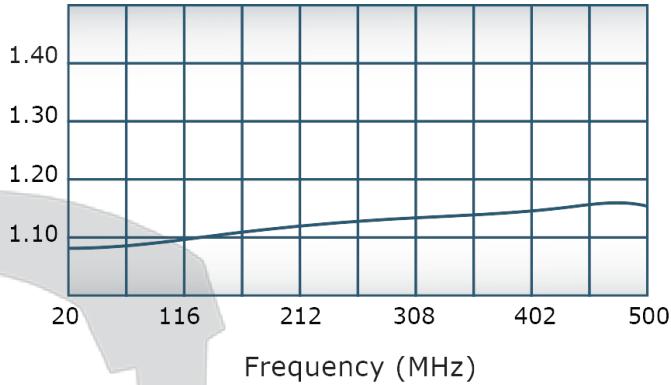
D7572

Performance Data (Specifications subject to change without notice):

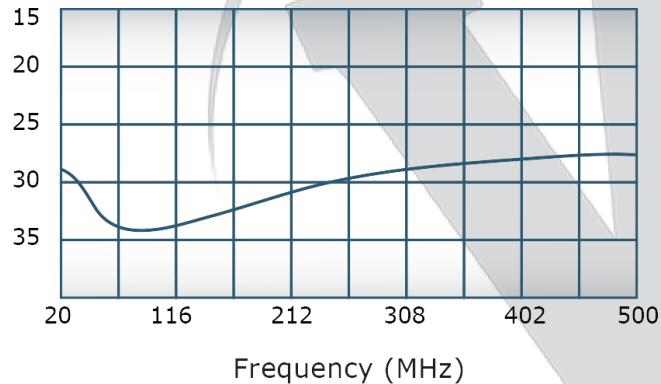
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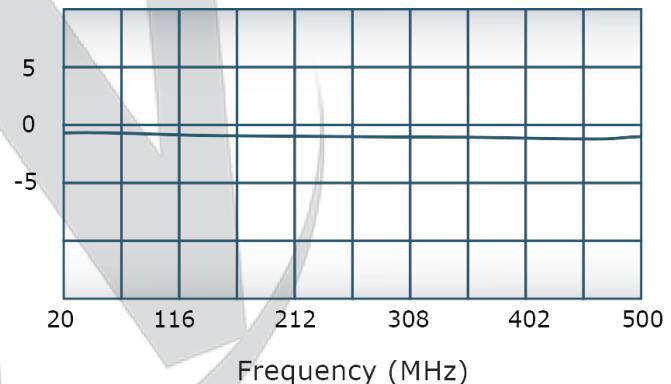
VSWR:



Isolation:



Phase Balance:



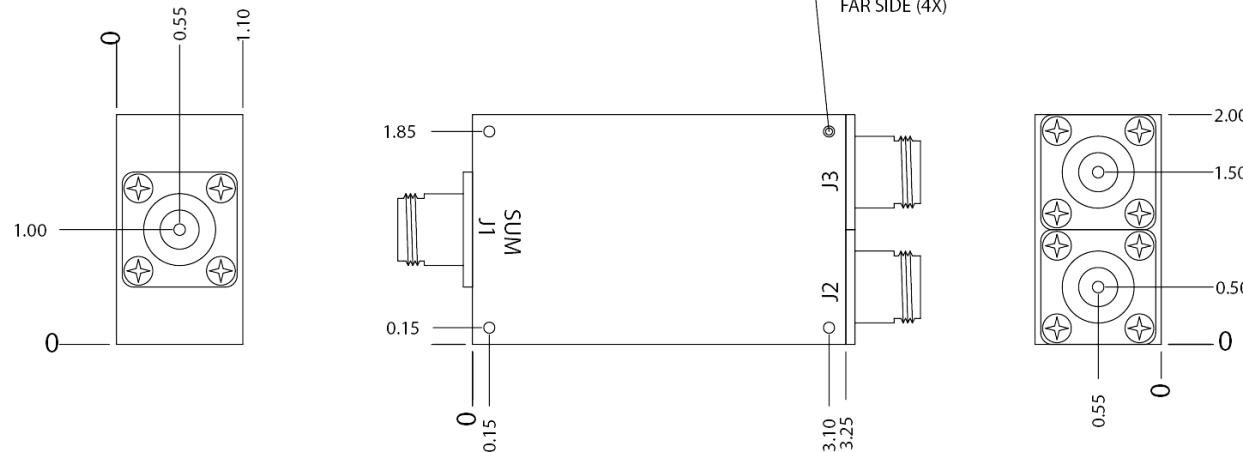
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NOTES:

1. MAT'L: ALUM 6061-T6
2. FINISH: CHEM FILM PER MIL-C-5541 (YELLOW IRIDITE)
3. CONNECTORS: ALL N FEMALE

DATE	SYM	REVISION RECORD	AUTH	DR	CK
8/18/06	A	ECN 4035 CS CS			
6/02/09	B	ECN 4899 CS CS			



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XX +/- .015 XXX +/- .005	USED ON:	SCALE	DRAWN BY: RH APPD BY: CS
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X	DATE 1/8/02	DRAWING NUMBER	10677-500

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