
PRODUCT DATA SHEET
D5944

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 Custom Designs Available

Electrical Specifications:

Frequency:	150 - 1000 MHz
Power:	350 W CW
Insertion Loss:	0.7 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.3 dB Max.
Isolation:	No Isolation

Mechanical Specifications:

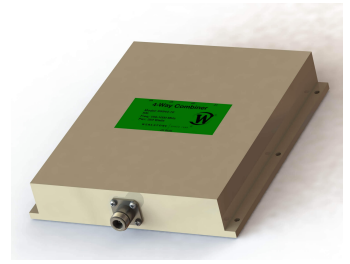
Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Weight:	5.0 lbs. 8 oz.
Size:	8.38 x 7.55 x 1.5"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D5944-10	N Female	N Female
D5944-10B*	N Female	N Female

D5944-10B comes in Black Epoxy Paint/White Epoxy Lettering and is watertight: O-Ring Sealed

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.

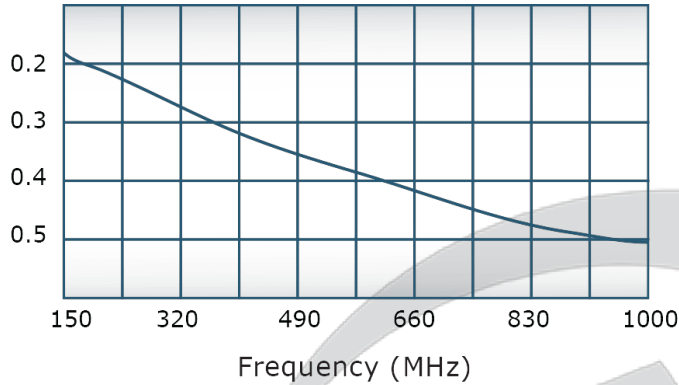


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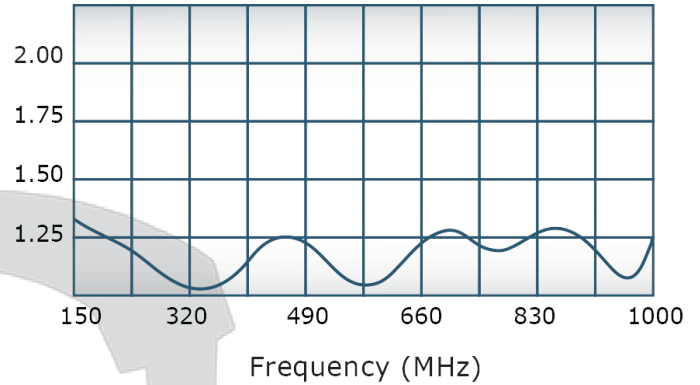
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Performance Data (Specifications subject to change without notice):

Insertion Loss:



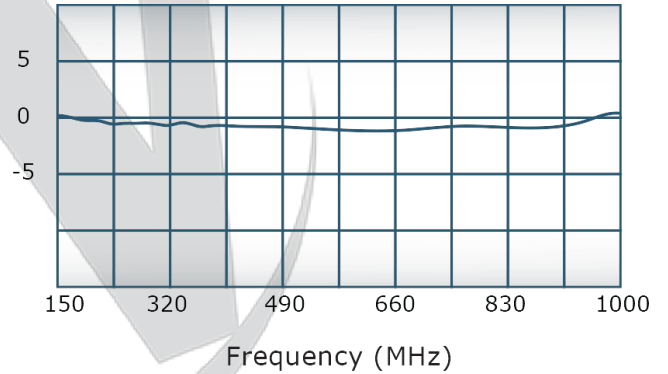
VSWR:



For In-Building Applications:



Phase Balance:



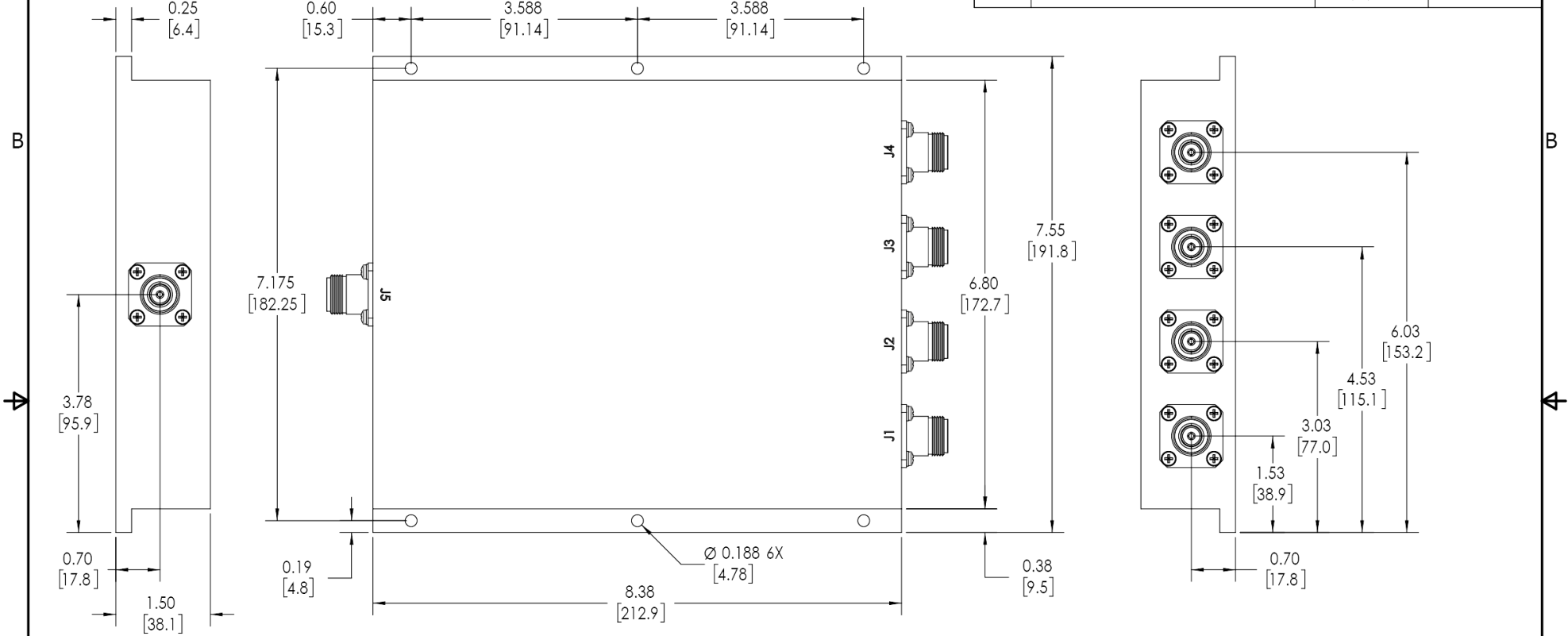
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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	9/10/2019	RB



- NOTES: UNLESS OTHERWISE SPECIFIED**
- MATERIAL: ALUMINUM 6061-T6**
 - FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
 - CONNECTORS:
J1-J5: N FEMALE**

UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563			
INTERPRET DRAWING IAW MIL-STD-100	SD	9/10/2019	DATE				
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	DATE	OUTLINE TITLE			
PARENTHEetical INFO FOR REF ONLY	CS	9/10/2019	DATE				
DIMENSIONS ARE IN INCHES	ENGR	DATE	DATE	SIZE	CAGE CODE	DWG NO	REV
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	INFR	DATE	DATE	B		10567-500	A
TOLERANCES:	QA	DATE	DATE	SCALE			SHEET 1 OF 1
ANGLES = 2°	RLSE	DATE	DATE	1:1.5			
3 PL ± .005 (.13)							
2 PL ± .015 (.38)							
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX							
CONCENTRICITY MACHINED DIA: .002 FIM							
MACHINE TOOL MISMATCH .003 MAX							
NEXT ASSY	USED ON						
APPLICATION	THIRD ANGLE PROJECTION						

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