

PRODUCT DATA SHEET

D5875

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:	80 - 1000 MHz
Power:	150 W CW
Insertion Loss:	0.8 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.25 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
Size:	7.55 x 8.38 x 1.5"

Connector Configurations:

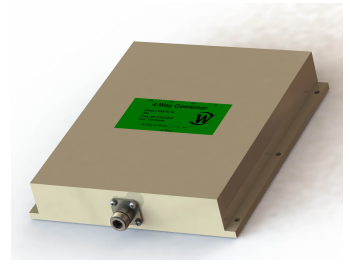
Model	Sum Port (J5)	Input/Output (J1-J4)
D5875-20	7/16 Female	N Female

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.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

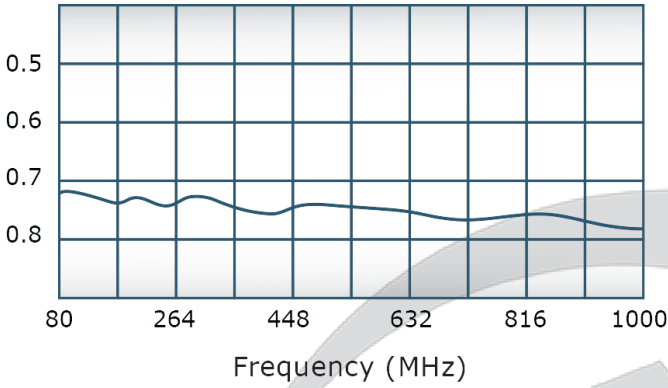


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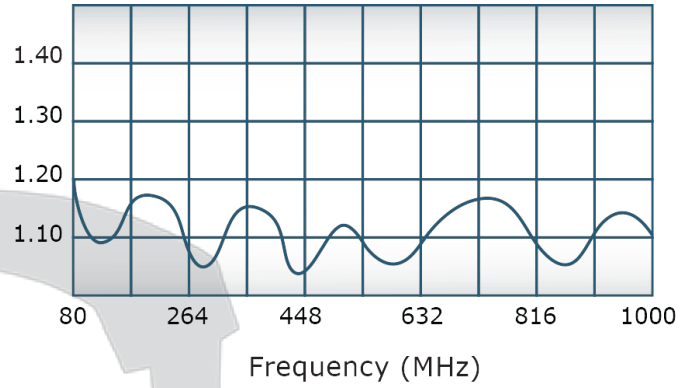
D5875

Performance Data (Specifications subject to change without notice):

Insertion Loss:



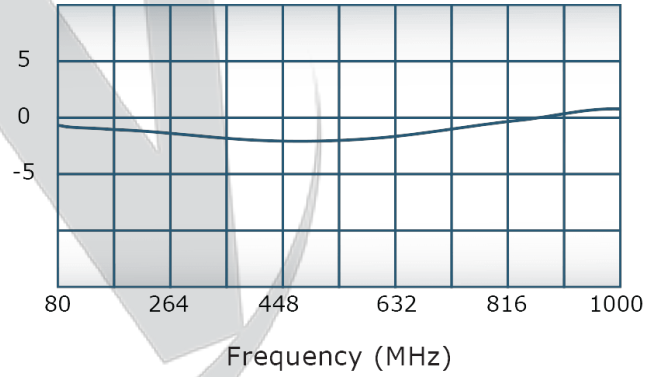
VSWR:



For In-Building Applications:



Phase Balance:



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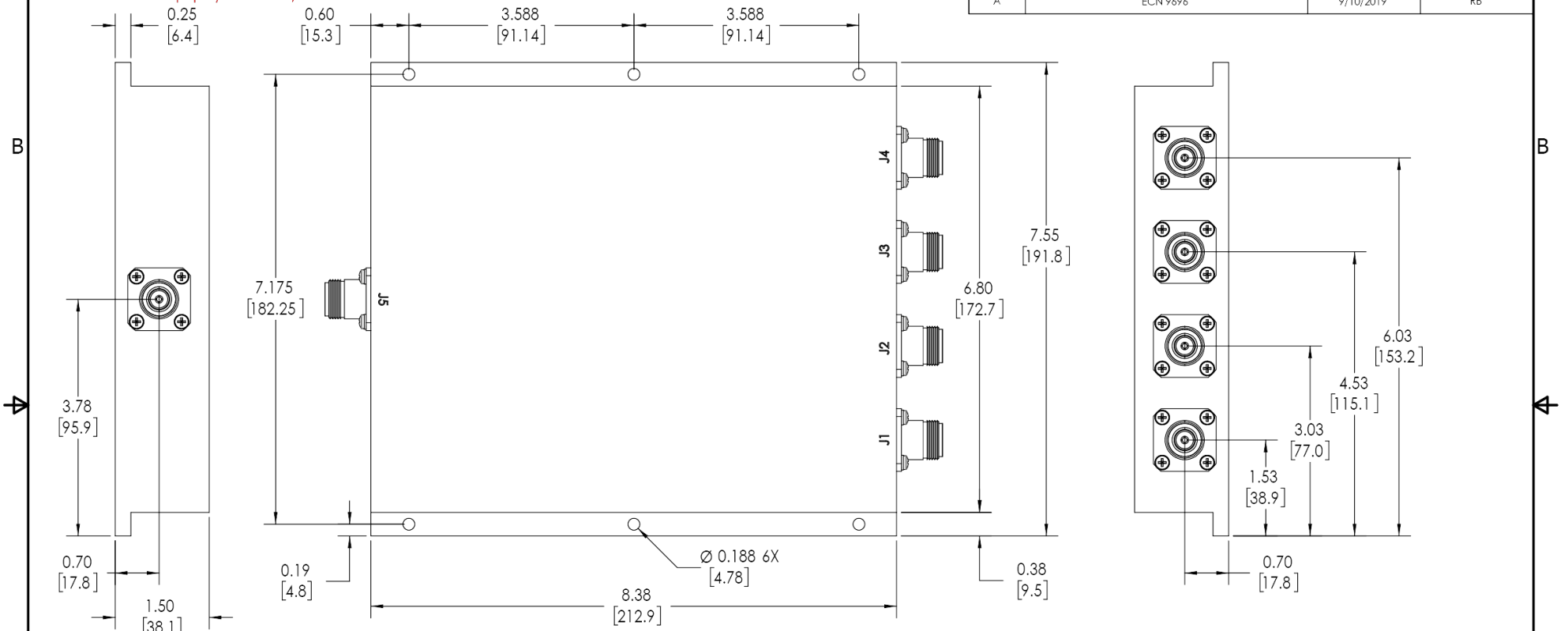
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	9/10/2019	RB



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

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