


PRODUCT DATA SHEET
D8066

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: 398 - 402 MHz
 Power: 1000 W CW
 Insertion Loss: 0.4 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 20 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
 Design: Non-Magnetic
 Size: 6.0 x 5.0 x 2.25"

Connector Configurations:

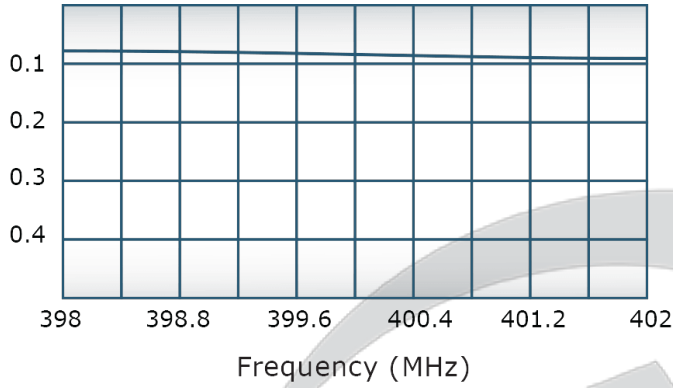
Model	Sum Port (J5)	Input/Output (J1-J4)
D8066-10	N Female	N Female
D8066-20	7/16 Female	N Female
D8066-22	7/16 Female	SMA

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.

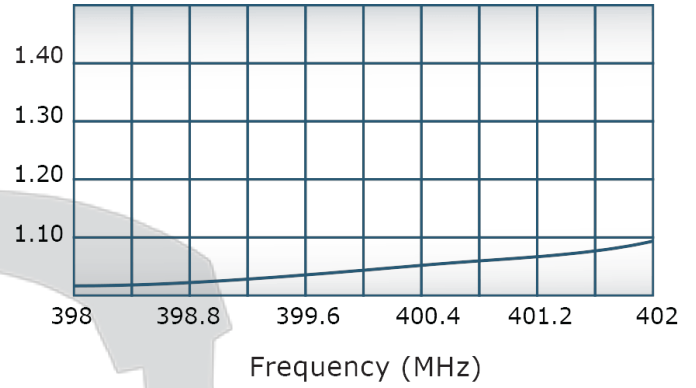


Performance Data (Specifications subject to change without notice):

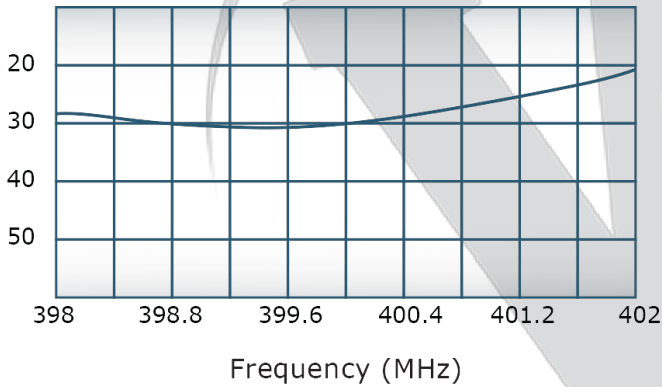
Insertion Loss:



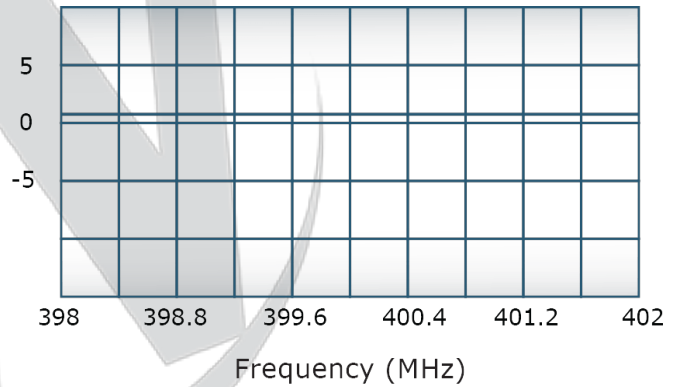
VSWR:



Isolation:



Phase Balance:



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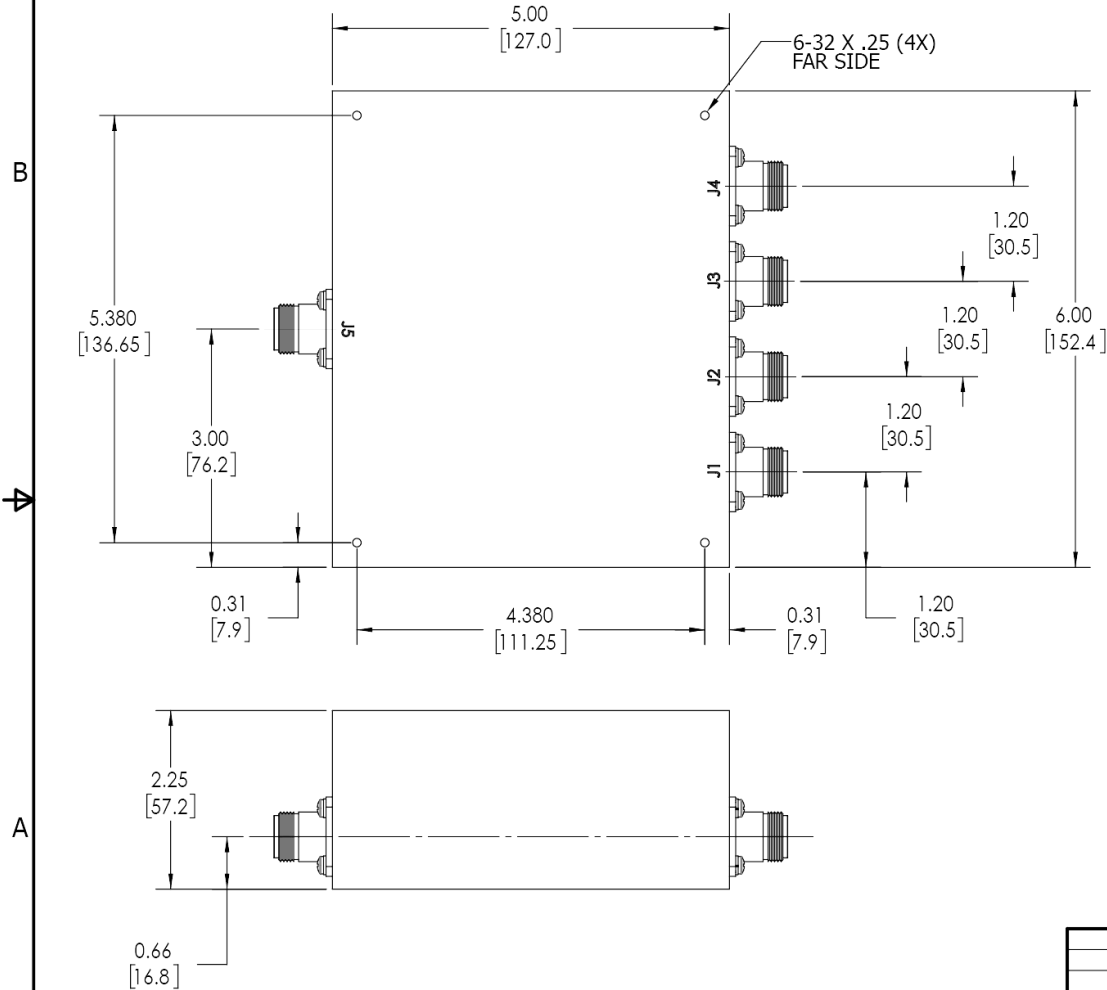
Werlatone, Inc.

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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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	17 Jon Barrett Rd
INTERPRET DRAWING IAW MIL-STD-100	SD	9/10/2019	Patterson, NY 12563
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE	
PARENTHEetical INFO FOR REF ONLY	CS	9/10/2019	
DIMENSIONS ARE IN INCHES	ENGR	DATE	TITLE
DIMENSIONAL LIMITS APPLY BEFORE FINISHES	INFR	DATE	OUTLINE
TOLERANCES:	QA	DATE	SIZE CAGE CODE DWG NO
ANGLES = 2°	RLSE	DATE	B 10905-500 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 FIM			
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION	
APPLICATION			

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