



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: $\pm 5^\circ$ 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.



WERLATONE

Model D8066

Combiners In-Phase Connectorized

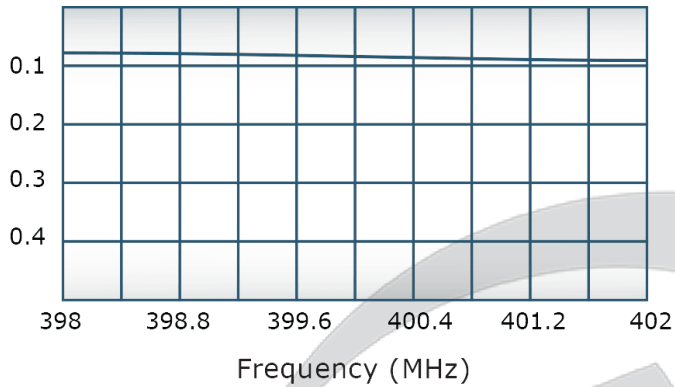


PRODUCT DATA SHEET

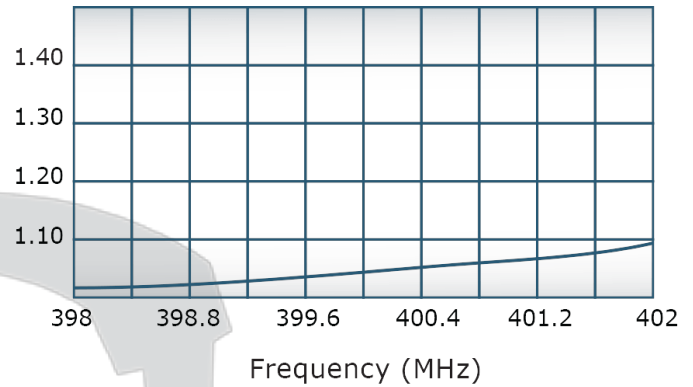
D8066

Performance Data (Specifications subject to change without notice):

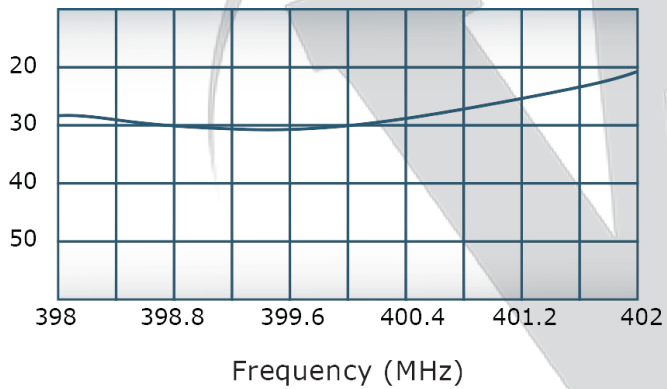
Insertion Loss:



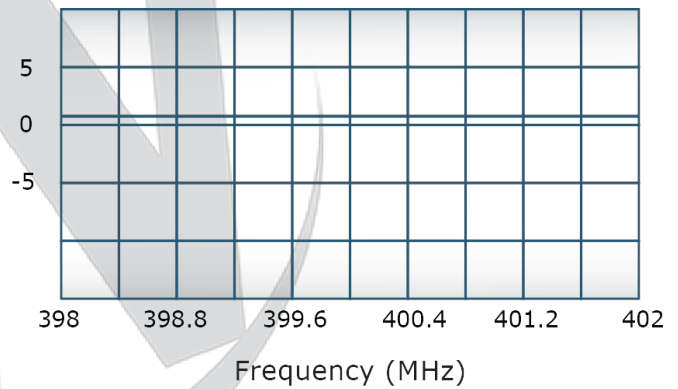
VSWR:



Isolation:



Phase Balance:



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

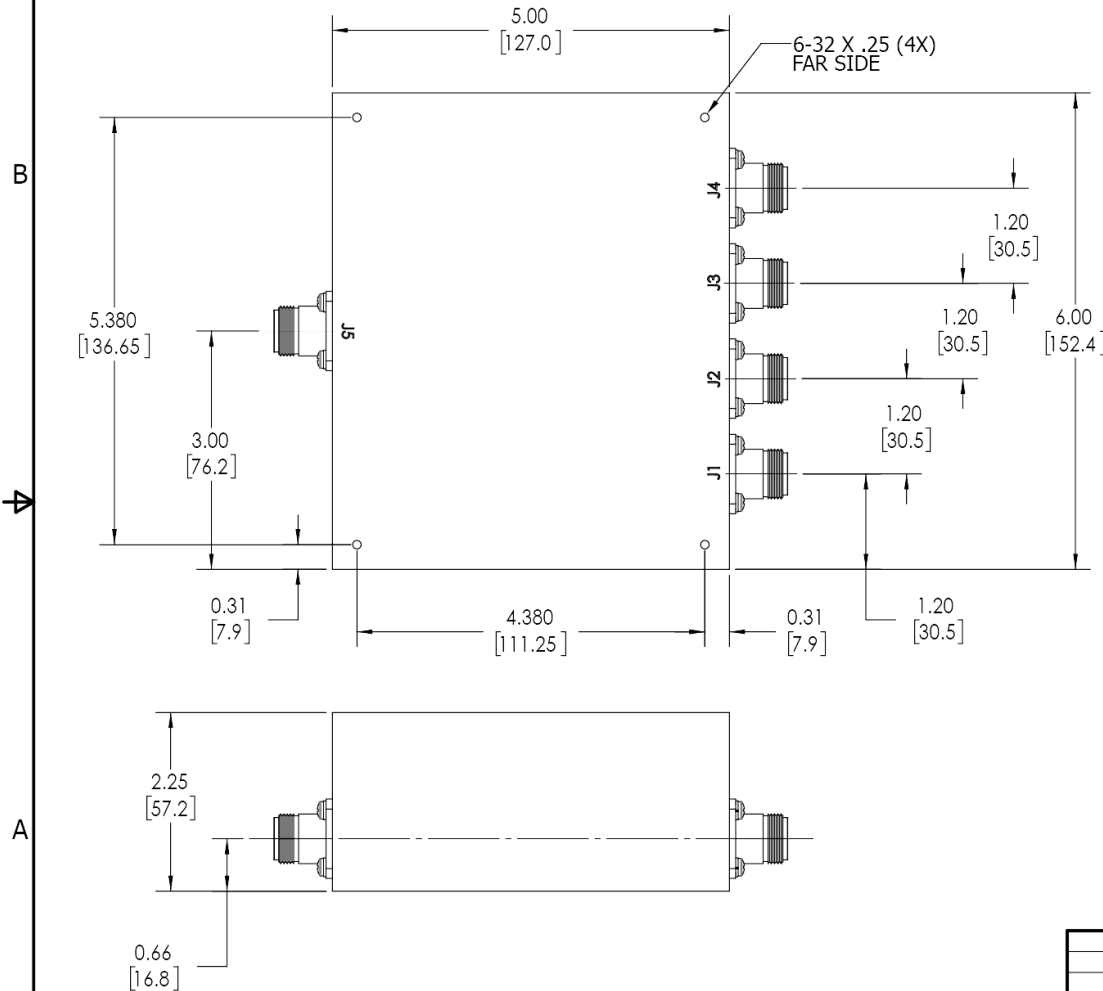
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
This document contains proprietary information which is the sole property of Werlatone, Inc.

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	W WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
		INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		SD	9/10/2019	
		DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE	
		PARENTHESES FOR FIRST REF ONLY		CS	9/10/2019	
NEXT ASSY USED ON		DIMENSIONS ARE IN INCHES		ENGR	DATE	TITLE OUTLINE SIZE CAGE CODE DWG NO B 10905-500
		DIMENSIONAL LIMITS APPLY BEFORE FINISHES		INPR	DATE	
		TOLERANCES:		QA	DATE	
		ANGLES ± 2°		RLSE	DATE	
APPLICATION		3 PL ± .005 [13]				SCALE 1:1.5
		2 PL ± .015 [38]				
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				
		CONCENTRICITY MACHINED DIA. .002 FIM				
		MACHINE TOOL MATCH .003 FIM				SHEET 1 OF 1
		THIRD ANGLE PROJECTION				

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of 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