

PRODUCT DATA SHEET

D10363

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: 290 - 320 MHz
 Power: 400 W CW
 Insertion Loss: 0.3 dB Max.
 VSWR: 1.20:1 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: 5.75 lbs.
 Size: 7.0 x 7.5 x 2.25"

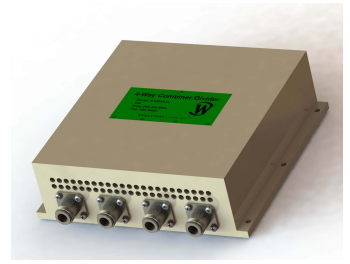
Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D10363-10	N Female	N Female
D10363-41	SC Female	N Female

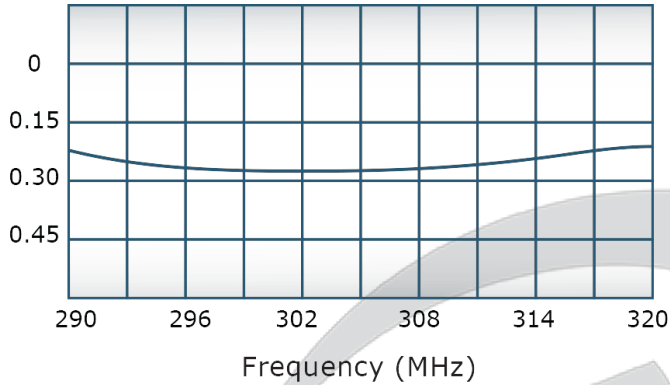
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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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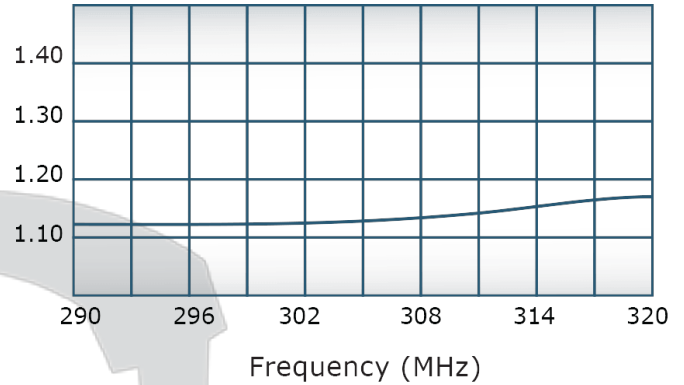
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com


Performance Data (Specifications subject to change without notice):

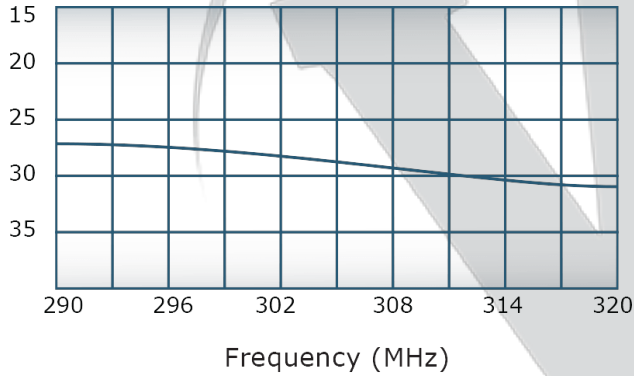
Insertion Loss:



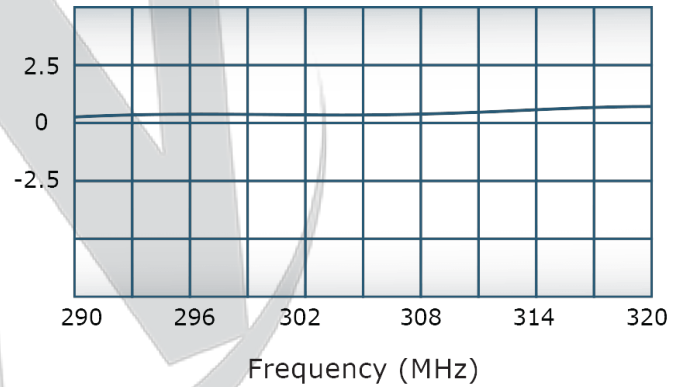
VSWR:



Isolation:



Phase Balance:

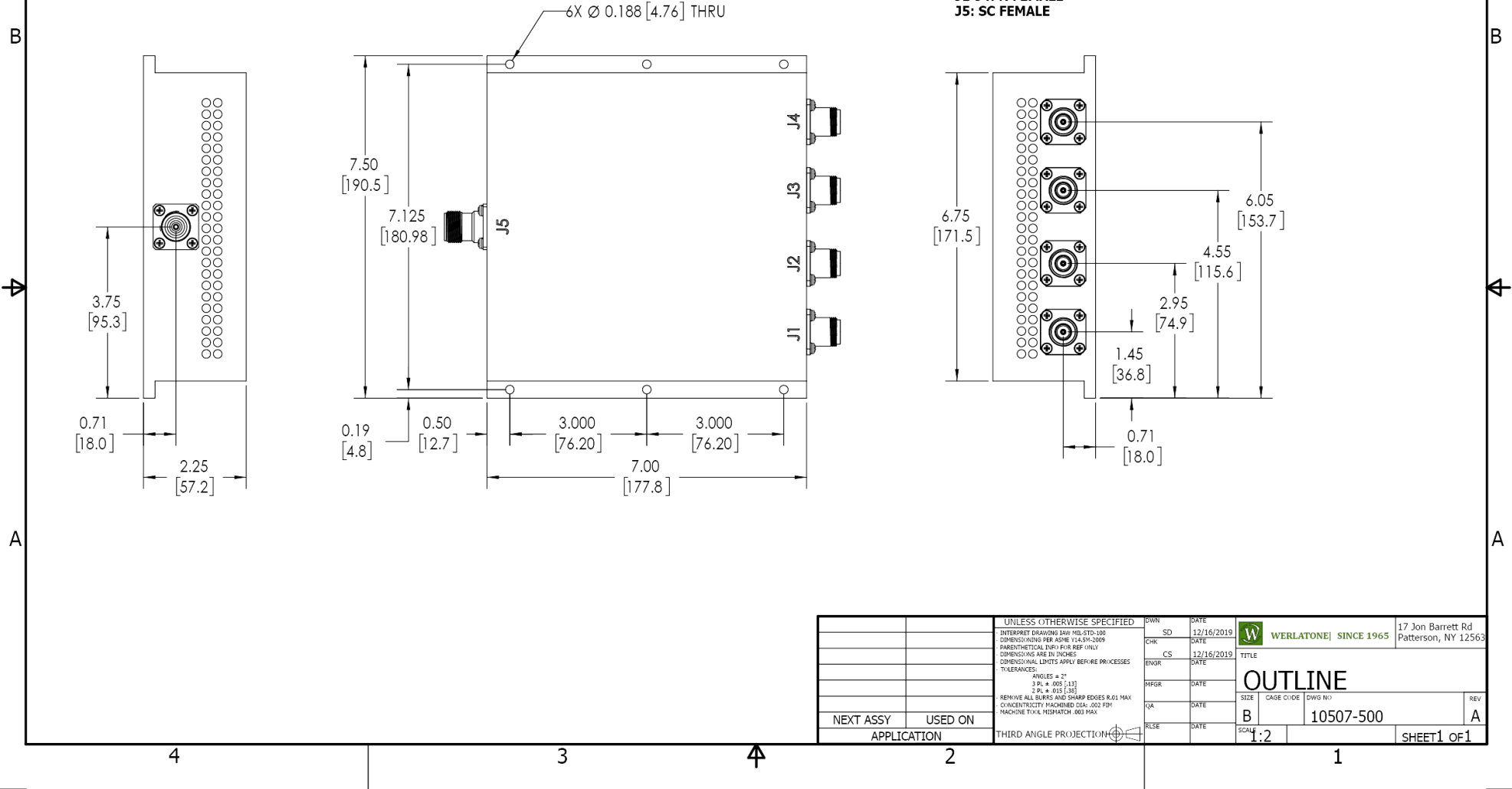


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	12/16/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE II CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**
J1-J4: N FEMALE
J5: SC FEMALE



UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IAW MIL-STD-100	SD	12/16/2019	CHK	
DIMENSIONS PER ASME Y14.5M-2009	CS	12/16/2019	ENGR	TITLE
PARENTHETICAL INFO FOR REF ONLY	DATE			OUTLINE
DIMENSIONS ARE IN INCHES	DATE			SIZE CAGE CODE DWG NO
DIMENSIONAL LIMITS APPLY BEFORE FINISHES	DATE			B 10507-500
TOLERANCES:	DATE			REV
ANGLES = 2°	DATE			A
3 PL ± .005 (.13)	DATE			SCALE
2 PL ± .015 (.38)	DATE			1:2
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX	DATE			SHEET 1 OF 1
CONCENTRICITY MACHINED DIA: .002 FIM	DATE			
MACHINE TOOL MISMATCH .003 MAX	DATE			
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION		
APPLICATION				

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