
**PRODUCT DATA SHEET**
**D6191**

**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:                      400 - 2400 MHz  
 Power:                              500 W CW  
 Insertion Loss:                0.65 dB Max.  
 VSWR:                              1.30:1 Max.  
 Phase Balance:                 $\pm 5^\circ$  Max.  
 Amplitude Balance:         0.25 dB Max.  
 Isolation:                        Non-Isolated

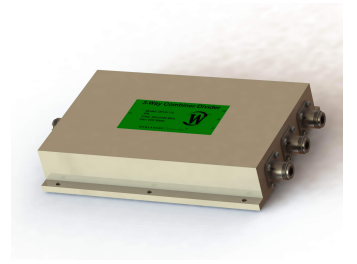
**Mechanical Specifications:**

Type:                                Connectorized  
 Material:                         Aluminum 6061-T6  
 Surface Finish:                Chem. Film Per MIL-DTL-5541F Type II  
    Class 3 (Clear Iridite) RoHS Compliant  
    Available  
 Operating Temperature:      -55°C to +75°C  
 Storage Temperature:        -60°C to +85°C  
 Size:                                8.38 x 5.57 x 1.5"

**Connector Configurations:**

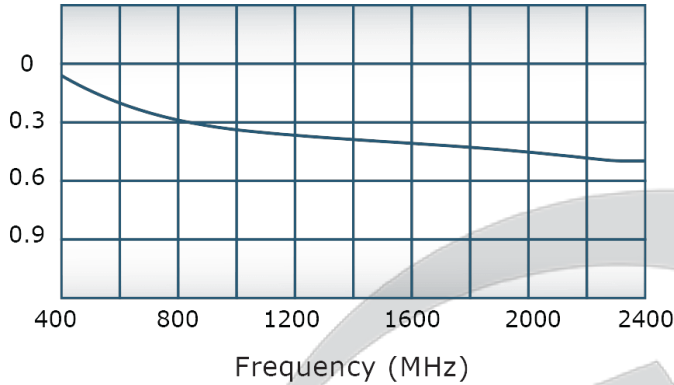
Model	Sum Port (J1)	Input/Output (J2-J4)
D6191-10	N Female	N Female

**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.

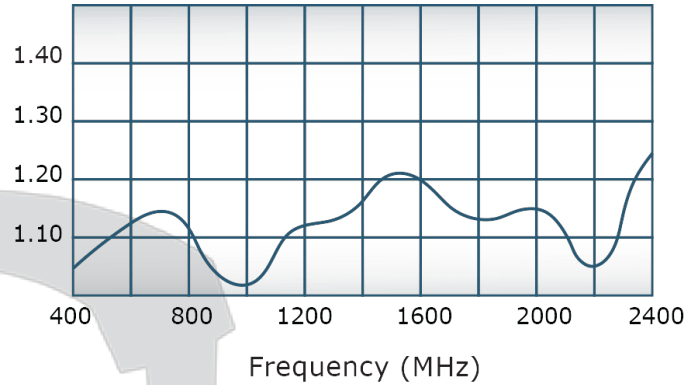


## Performance Data (Specifications subject to change without notice):

Insertion Loss:



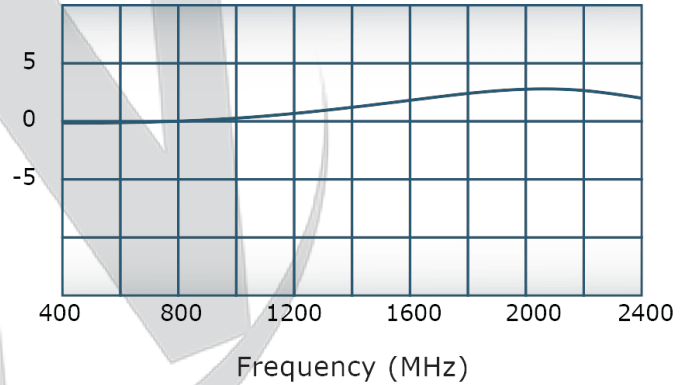
VSWR:



Since 1965:



Phase Balance:



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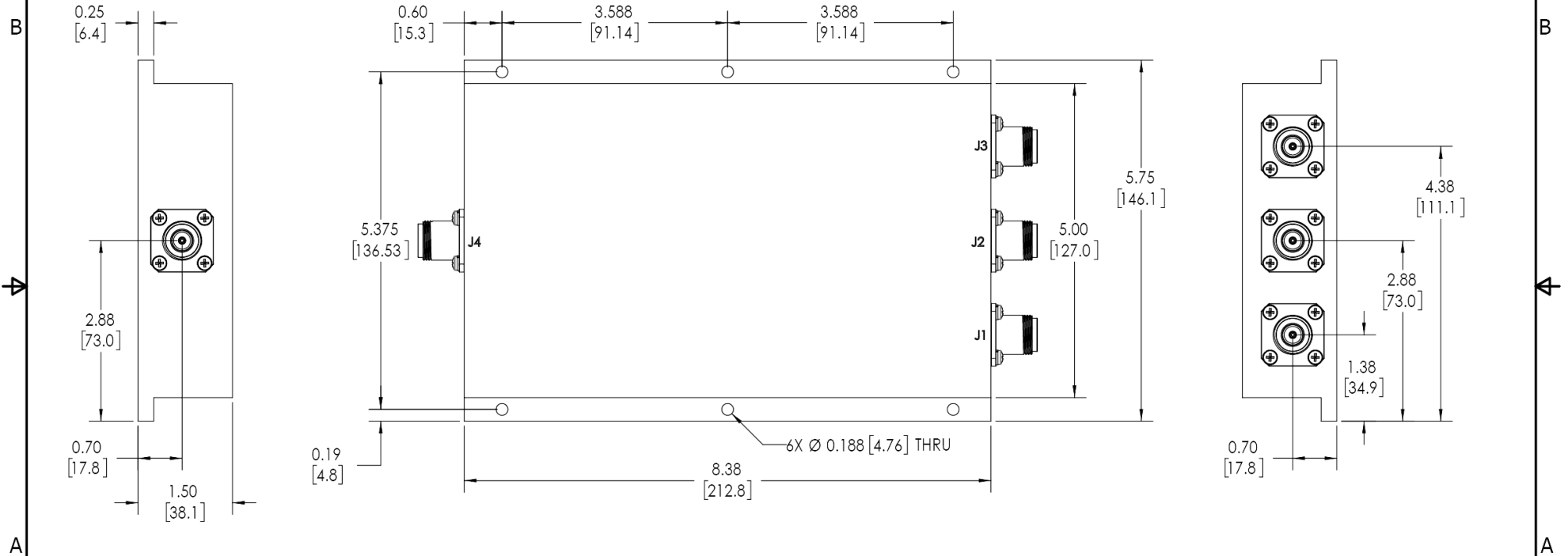
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/20/2019	RB

**NOTES: UNLESS OTHERWISE SPECIFIED**

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



UNLESS OTHERWISE SPECIFIED		DWN	DATE	17 Jon Barrett Rd Patterson, NY 12563	
INTERPRET DRAWING IAW MIL-STD-100	SD	11/20/2019	<b>WERLATONE</b> SINCE 1965		
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE			
PARENTHEetical INFO FOR REF ONLY	CS	11/20/2019	<b>OUTLINE</b>		
DIMENSIONS ARE IN INCHES	ENGR	DATE			
DIMENSIONAL LIMITS APPLY BEFORE FINISHES	INFR	DATE	TITLE SIZE CAGE CODE DWG NO. REV <b>B 20176-500 A</b>		
TOLERANCES:	QA	DATE			
ANGLES = 2°	RLSE	DATE	SCALE: <b>1.1.5</b> SHEET <b>1</b> OF <b>1</b>		
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 FIM					
NEXT ASSY	USED ON				
APPLICATION	THIRD ANGLE PROJECTION				

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