


**PRODUCT DATA SHEET**
**D10055**

**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:                      960 - 1215 MHz  
 Power:                              200 W CW  
 Insertion Loss:                0.2 dB Max.  
 VSWR:                              1.30:1 Max.  
 Phase Balance:                 $\pm 2^\circ$  Max.  
 Amplitude Balance:         0.1 dB Max.  
 Isolation:                         18 dB Min.

**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  
 Weight:                             18 oz. (-10)  
 Size:                                 3.4 x 3.7 x 1.16"

**Connector Configurations:**

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10055-10	N Female	N Female	N Female
D10055-12	N Female	SMA	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.

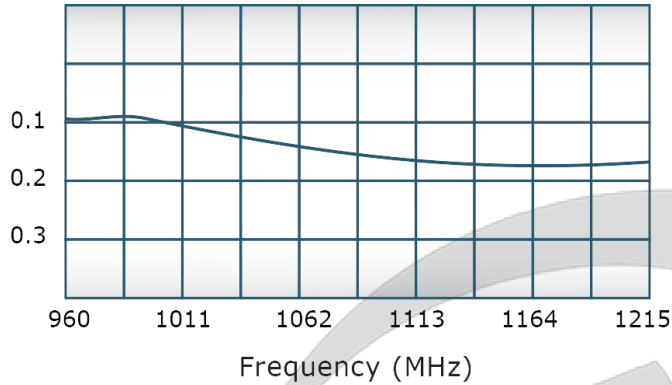


PRODUCT DATA SHEET

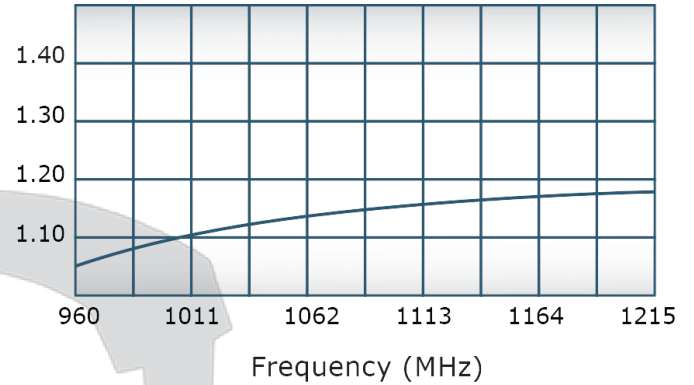
D10055

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

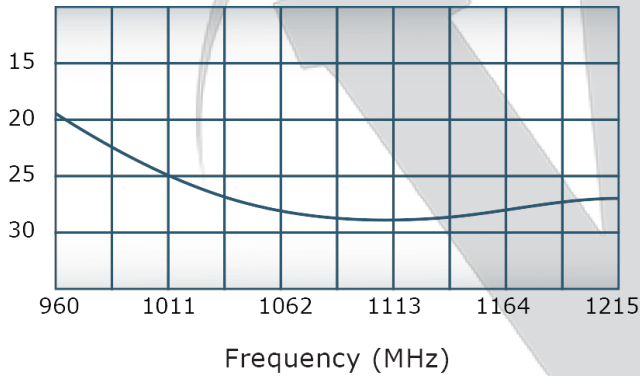
Insertion Loss:



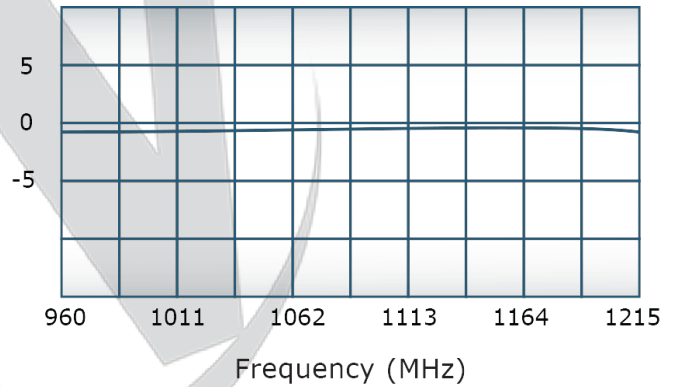
VSWR:



Isolation:



Phase Balance:

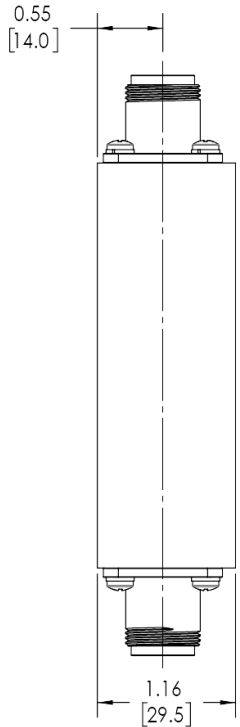


Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of

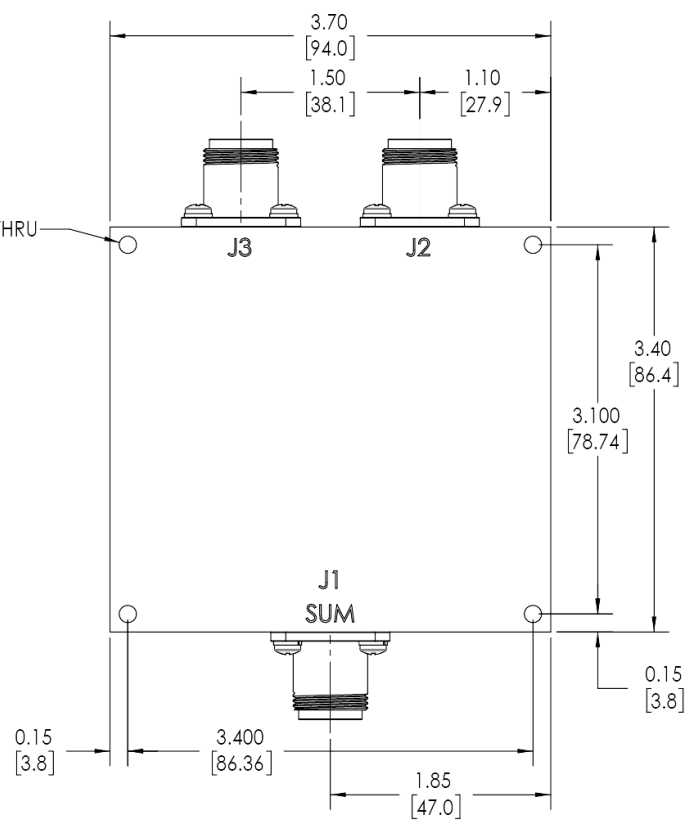
Werlatone, Inc.

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.



4X Ø 0.144 [3.66] THRU



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-J3: N FEMALE**

UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IAW MIL-STD-100		SD	11/20/2019	
DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE	TITLE
PARENTHEetical INFO FOR REF ONLY		CS	11/20/2019	
DIMENSIONS ARE IN INCHES		ENGR	DATE	REV
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		INFR	DATE	A
TOLERANCES:		QA	DATE	SCALE
ANGLES = 2°		RLSE	DATE	1:1
3 PL ± .005 (.13)		APPLICATION		
2 PL ± .015 (.38)		USED ON		
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		THIRD ANGLE PROJECTION		
CONCENTRICITY MACHINED DIA: .002 FIM		SHEET 1 OF 1		
MACHINE TOOL MISMATCH .003 FIM				

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