

## PRODUCT DATA SHEET

D10401

**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: 800 - 2000 MHz  
Power: 25 W CW  
Insertion Loss: 0.5 dB Max.  
VSWR: 1.30:1 Max.  
Phase Balance:  $\pm 5^\circ$  Max.  
Amplitude Balance: 0.2 dB Max.  
Isolation: 15 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  
Size: 1.84 x 1.35 x 0.41"

### Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10401-102	SMA	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.

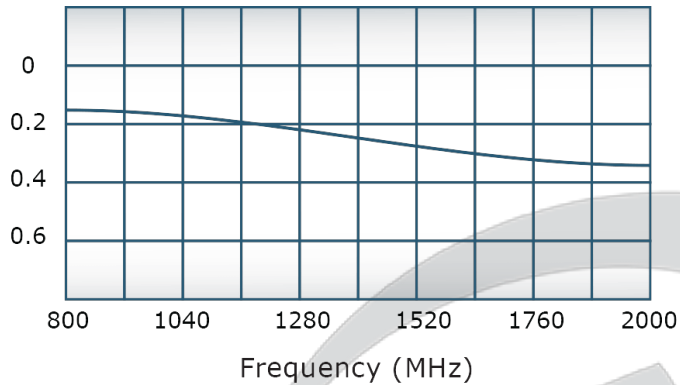


## PRODUCT DATA SHEET

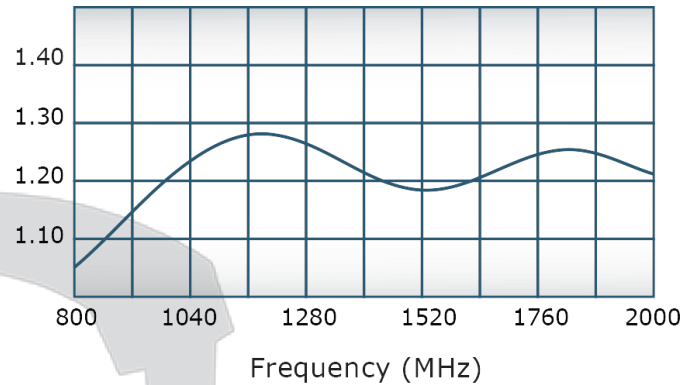
D10401

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

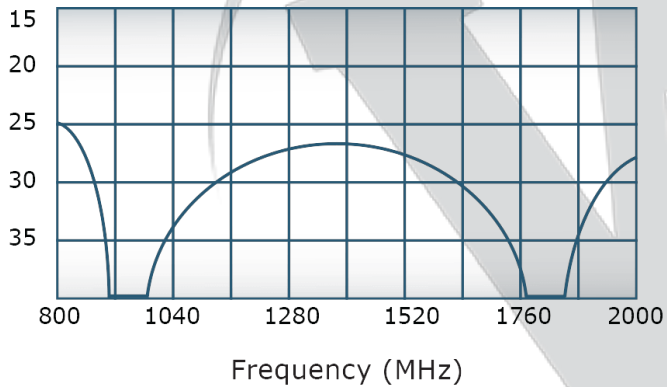
Insertion Loss:



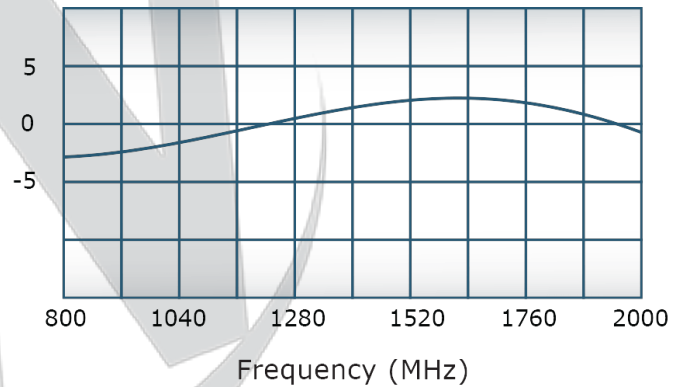
VSWR:



Isolation:

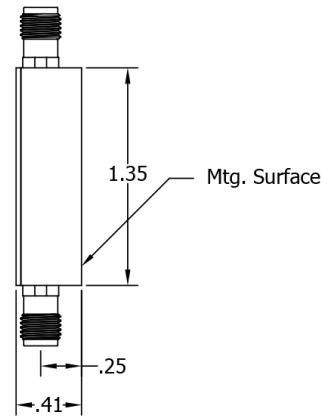
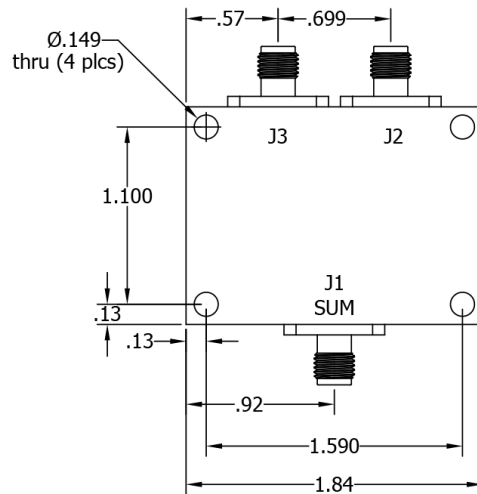


Phase Balance:



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

REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	7/10/2015	BW



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	<div><div>W</div><div>WERLATONE   SINCE 1965</div></div>		17 Jon Barrett Rd Patterson, NY 12563									
		<div><div><div>•</div><div>INTERPRET DRAWING IAW MIL-STD-100</div></div><div><div>•</div><div>DIMENSIONING PER ASME Y14.5M-2009</div></div><div><div>•</div><div>PARENTHEtical INFO FOR REF ONLY</div></div><div><div>•</div><div>DIMENSIONS ARE IN INCHES</div></div><div><div>•</div><div>DIMENSIONAL LIMITS APPLY BEFORE PROCESSES</div></div><div><div>•</div><div>TOLERANCES: ANGLES ± 2- 3 PL ± .005 2 PL ± .015</div></div></div>		CHK	DATE	TITLE		<div>Outline</div>		REV -							
		CS		DATE													
				ENGR	DATE	SIZE A						CAGE CODE 28812		DWG NO 21338-500		REV -	
				BW	DATE												
				MFGR	DATE												
				QA	DATE												
				RLSE	DATE												
						SCALE 1:1								SHEET 1 OF 1			
21338-300																	
NEXT ASSY		USED ON															
APPLICATION				THIRD ANGLE PROJECTION													