



## PRODUCT DATA SHEET

D10149

**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: 2000 - 6000 MHz  
 Power: 200 W CW  
 Insertion Loss: 0.6 dB Max.  
 VSWR: 1.45:1 Max.  
 Phase Balance:  $\pm 5^\circ$  Max.  
 Amplitude Balance: 0.25 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  
 Weight: 0.6 lbs.  
 Size: 2.9 x 2.7 x 1.06"

### Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10149-10	N Female	N Female	N Female
D10149-12	N Female	SMA	SMA
D10149-13	N Female	BNC	BNC
D10149-102	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.

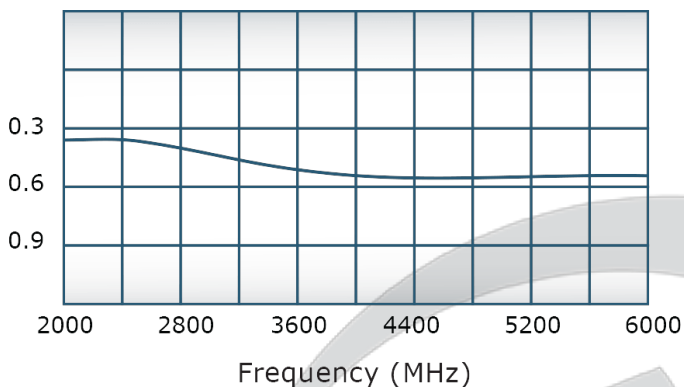


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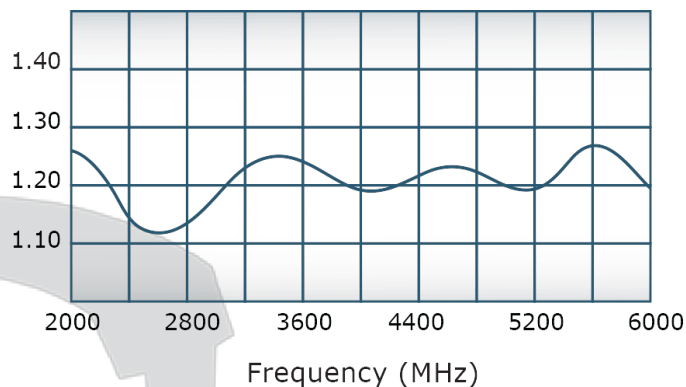
D10149

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

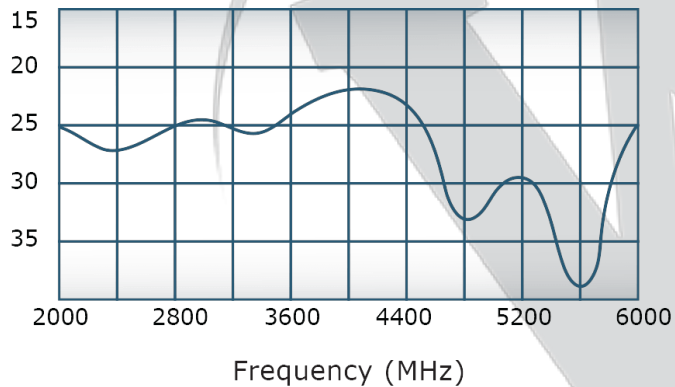
Insertion Loss:



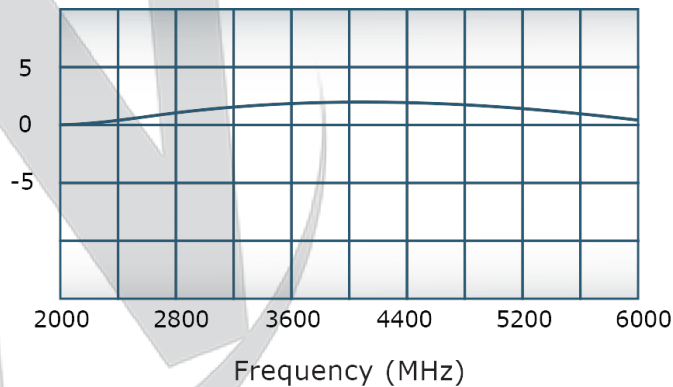
VSWR:



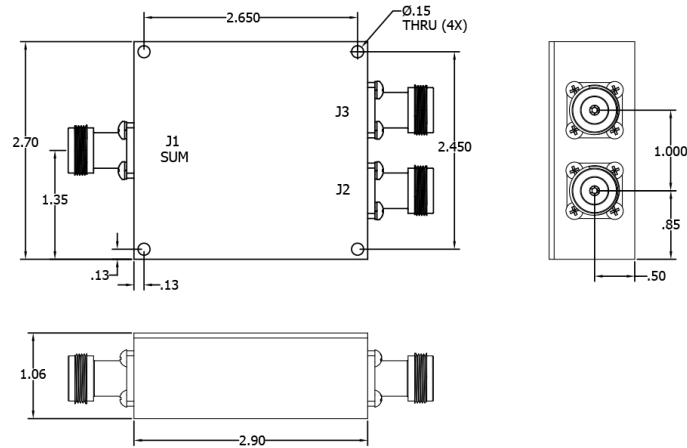
Isolation:



Phase Balance:



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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	9/10/2014	BW

		UNLESS OTHERWISE SPECIFIED		DWN	DATE	<div><div>W</div><div>WERLATONE   SINCE 1965</div></div>		17 Jon Barrett Rd Patterson, NY 12563	
• INTERPRET DRAWING IAW MIL-STD-100		NH	09/10/14						
• DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE						
• PARENTHEICAL INFO FOR REF ONLY		BW	09/10/14						
• DIMENSIONS ARE IN INCHES		ENGR	DATE						
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		NH	09/10/14	TITLE		Outline			
• TOLERANCES: ANGLES ± 2-		MFGR	DATE						
3 PL ± .005		QA	DATE						
2 PL ± .015		RLSE	DATE	SIZE	CAGE CODE	DWG NO	REV		
21242-300				A	28812	21242-500		-	
NEXT ASSY		USED ON		SCALE		1:2		SHEET 1 OF 1	
APPLICATION		THIRD ANGLE PROJECTION							

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