


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: ± 5° 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:

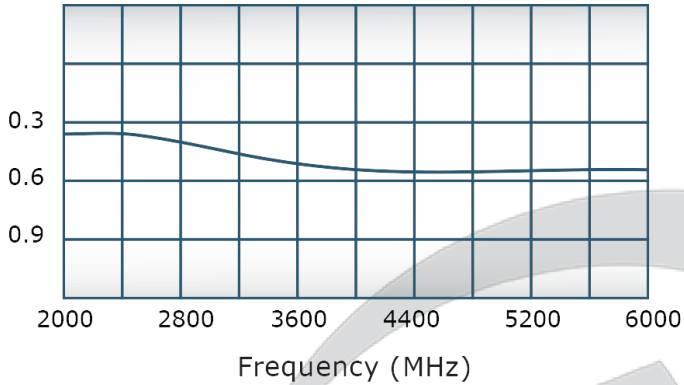
Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10149-10	N Female	N Female	N Female
D10149-12	N Female	SMA	SMA
D10149-13	N Female	BNC	BNC
D10149-102	SMA	SMA	SMA

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.

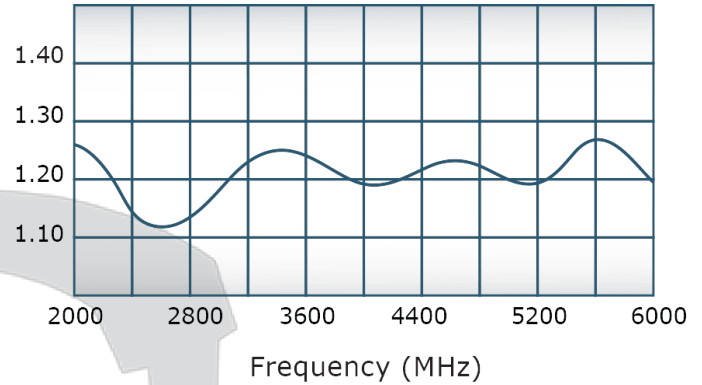


Performance Data (Specifications subject to change without notice):

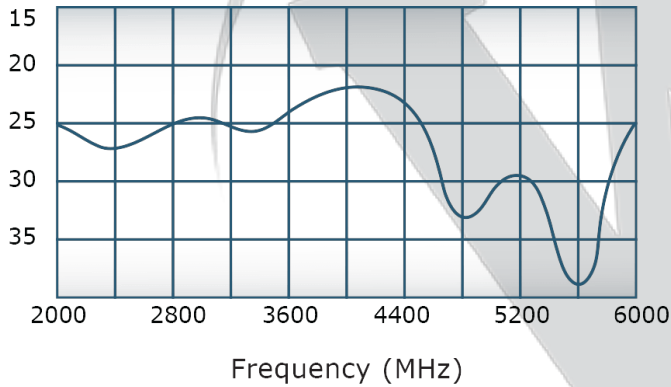
Insertion Loss:



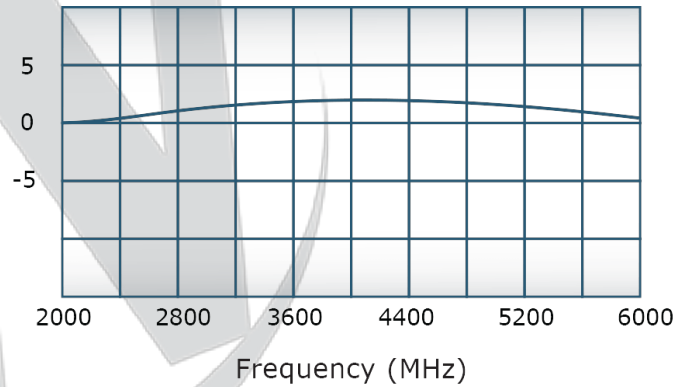
VSWR:



Isolation:

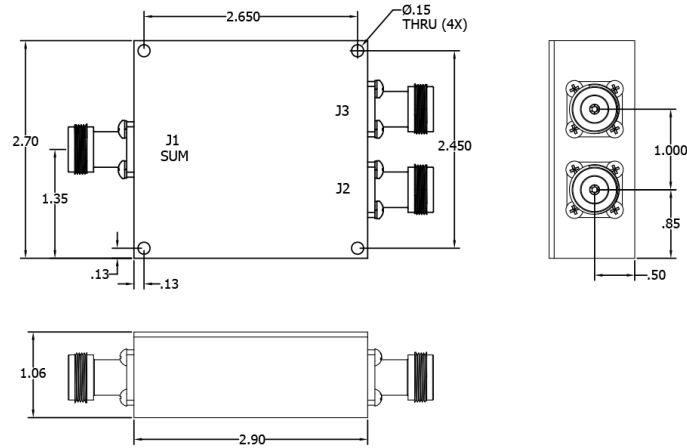


Phase Balance:



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



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563		
<ul style="list-style-type: none"> • INTERPRET DRAWING LAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHEetical INFO FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES • TOLERANCES: ANGLES ± 2- 3 PL ± .005 2 PL ± .015 		NH	09/10/14				
21242-300		CHK	DATE	TITLE			
NEXT ASSY		BW	09/10/14	<h1>Outline</h1>			
USED ON		ENGR	DATE				
APPLICATION		NH	09/10/14	SIZE	CAGE CODE	DWG NO	REV
THIRD ANGLE PROJECTION		MFGR	DATE	A	28812	21242-500	-
		QA	DATE	SCALE			SHEET 1 OF 1
		RLSE	DATE	1:2			

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