

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.

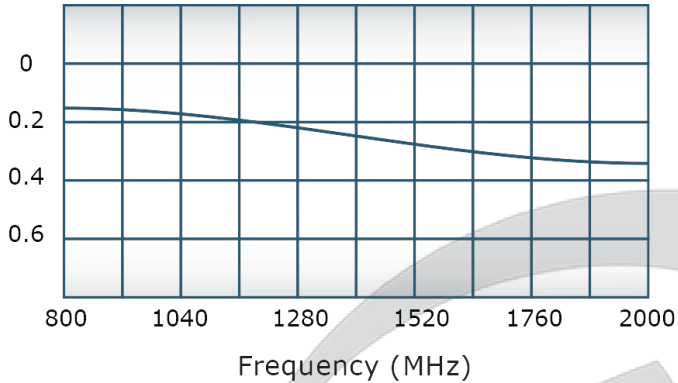


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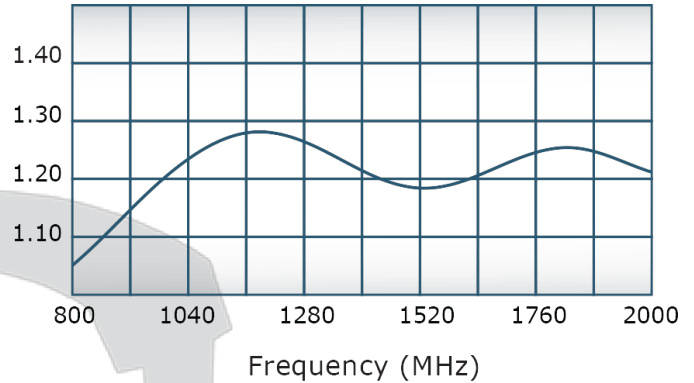
D10401

Performance Data (Specifications subject to change without notice):

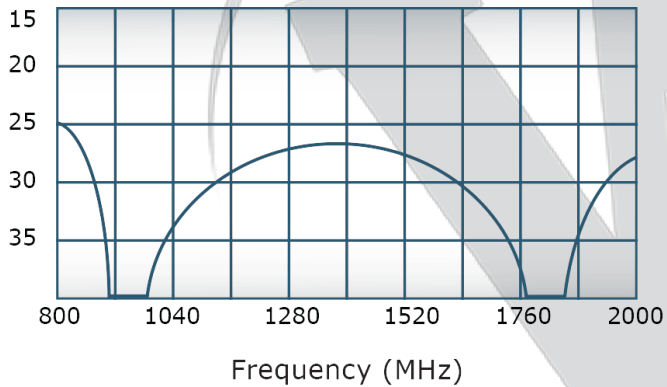
Insertion Loss:



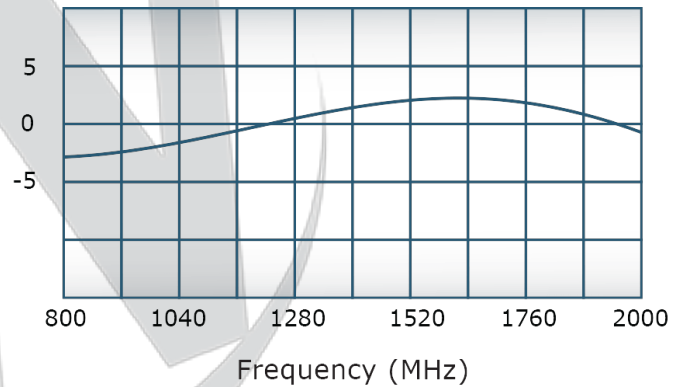
VSWR:



Isolation:



Phase Balance:

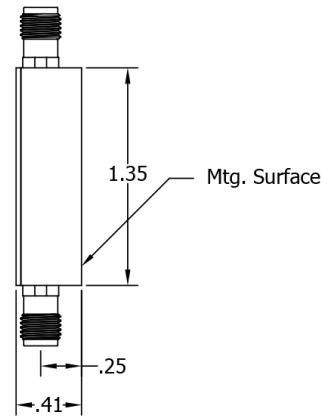
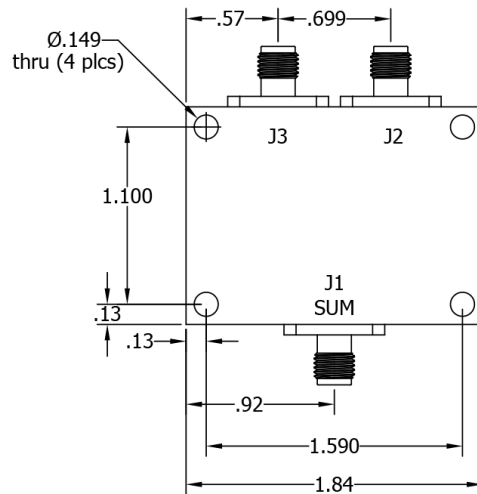


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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	Initial Rls	7/10/2015	BW



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	<div><div>W</div><div>WERLATONE SINCE 1965</div></div>			17 Jon Barrett Rd Patterson, NY 12563		
		<ul style="list-style-type: none">• INTERPRET DRAWING IAW MIL-STD-100• DIMENSIONING PER ASME Y14.5M-2009• PARENTHEtical INFO FOR REF ONLY• DIMENSIONS ARE IN INCHES• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		CHK	DATE	TITLE			<div>Outline</div>	REV	
				CS	07/10/15						
				ENGR	DATE						
				BW	07/10/15						
		<ul style="list-style-type: none">• TOLERANCES: ANGLES ± 2- 3 PL ± .005 2 PL ± .015		MFGR	DATE	SIZE			CAGE CODE	DWG NO	
21338-300				QA	DATE	A			28812	21338-500	-
NEXT ASSY	USED ON			RLSE	DATE	SCALE			1:1		SHEET 1 OF 1
APPLICATION		THIRD ANGLE PROJECTION									

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