
PRODUCT DATA SHEET
D10533

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: 300 W CW
 Insertion Loss: 0.45 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 16 dB Min.

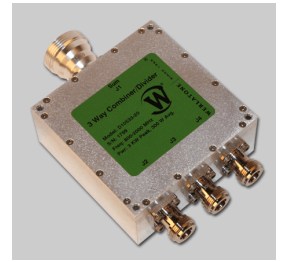
Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Clear Iridite) RoHS Compliant Available
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Size: 3.5 x 3.5 x 1.5"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J4)
D10533-20	7/16 Female	N Female

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.

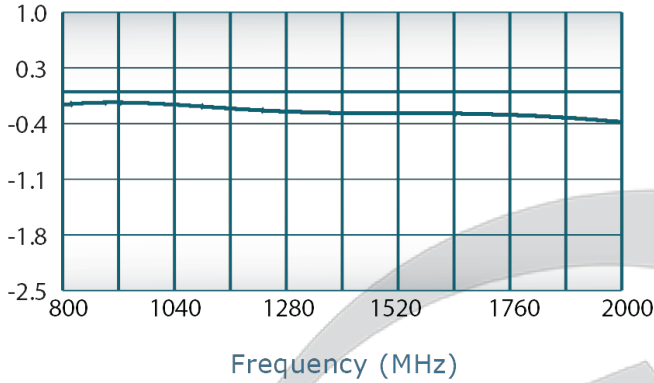


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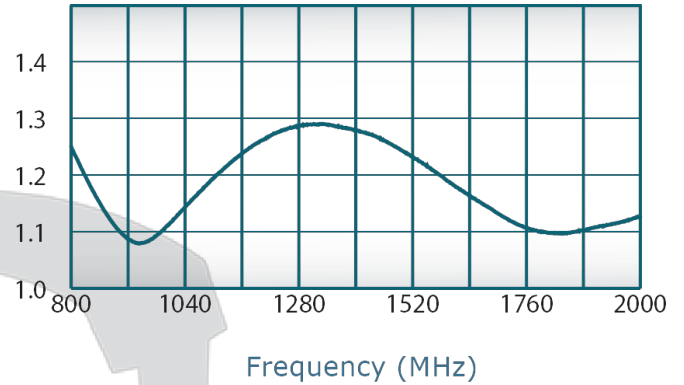
D10533

Performance Data (Specifications subject to change without notice):

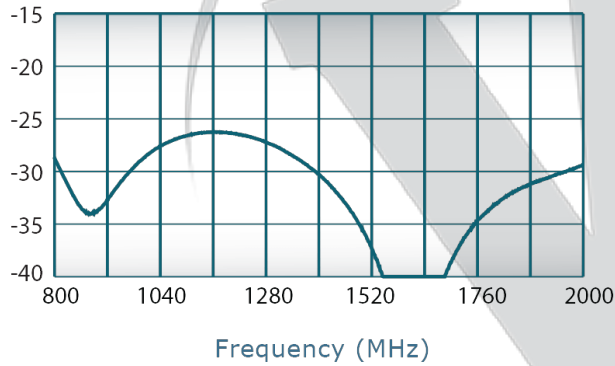
Insertion Loss:



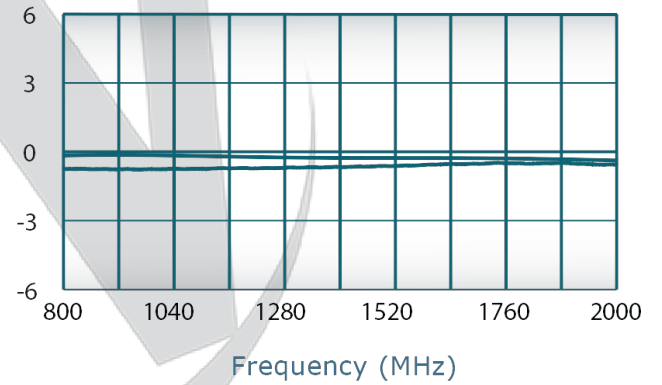
VSWR:



Isolation:



Phase Balance:



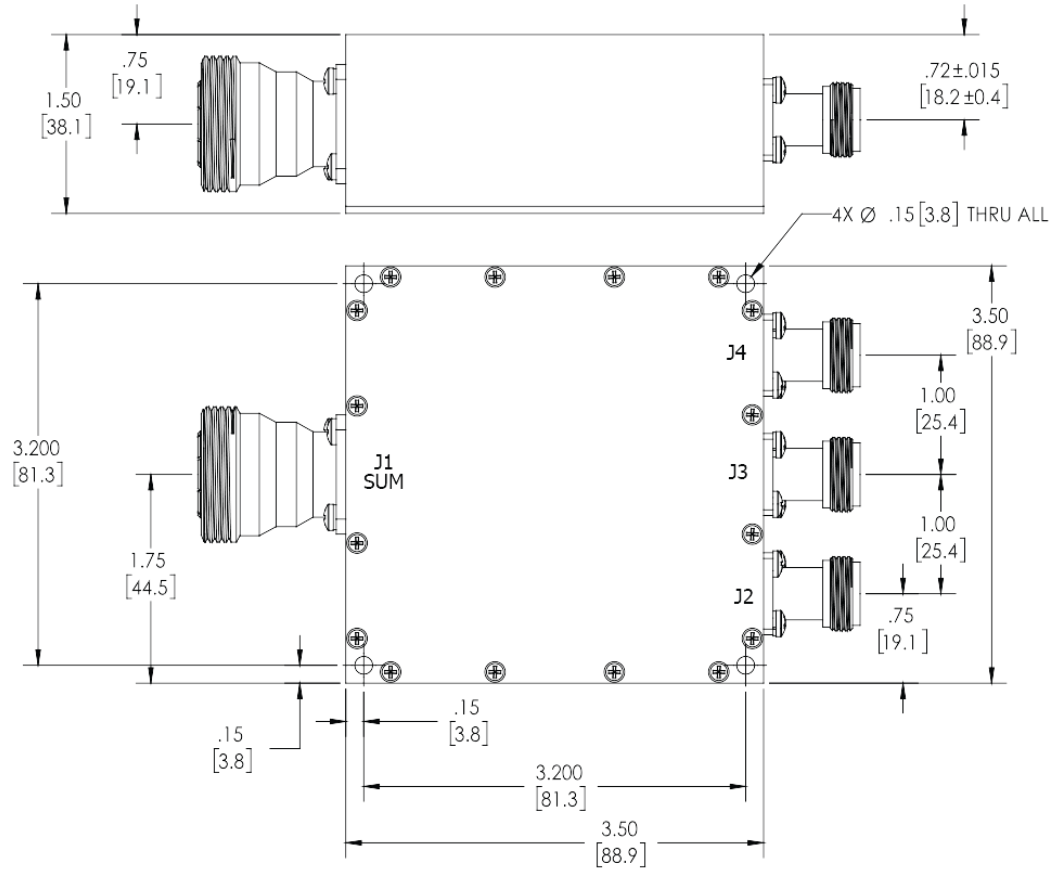
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Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL-RELEASE	3/11/2019	BW



NOTES: UNLESS OTHERWISE SPECIFIED

- MAT'L: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE II CLASS 3 (CLEAR/TRIVALENT)**
- CONNECTORS:**
 J1: 7-16 DIN (F)
 J2-J4: N(F)

UNLESS OTHERWISE SPECIFIED		DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
GP	10/20/2015	CS	10/20/2015	ENG	10/20/2015	QA	10/20/2015	REL	10/20/2015
21362-301	D10533	<ul style="list-style-type: none"> INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100 DIMENSIONS FOR ASME Y14.5M 2009 PARENTHESES ARE IN INCHES (MM) DIMENSIONS ARE IN INCHES (MM) DIMENSIONAL LIMITS APPLY BEFORE FINISHES TOLERANCES: ANGLES ± .2° 3 R. ± .005 (.13) 2 R. ± .015 (.4) REMOVE ALL BURRS AND SHARP EDGES R.01 MAX CONCENTRICITY MACHINED DIA: .000 FIM MACHINE TOOL HOLDING: .002 MAX 							
NEXT ASSY	USED ON	APPLICATION	THIRD ANGLE PROJECTION	SCALE	1:1	SIZE	28812	CAGE CODE	21362-500
TITLE		D10533-20 3-WAY COMBINER/DIVIDER		REV	-	DATE	10/20/2015	DATE	10/20/2015
WELATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563		SHEET 1 OF 1					

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