

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: 30-90 MHz
 Power: 150 W CW
 Insertion Loss: 0.3 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: ± 0.2 dB Max.
 Isolation: 20 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: 3.75 x 3.5 x 0.9"

Connector Configurations:

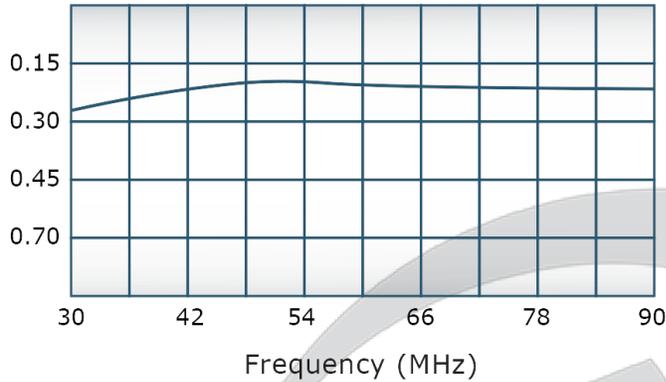
Model	Sum Port (J1)	Input/Output (J2-J5)
D10544-12	N Female	SMA
D10544-102	SMA	SMA

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.

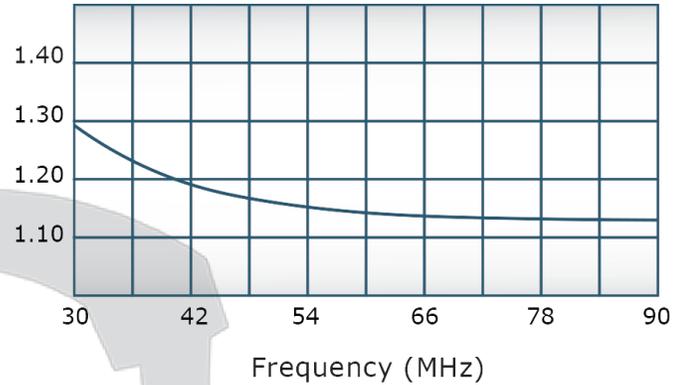


Performance Data (Specifications subject to change without notice):

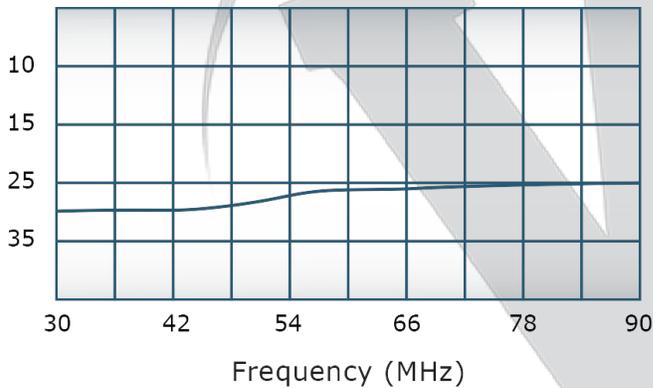
Insertion Loss:



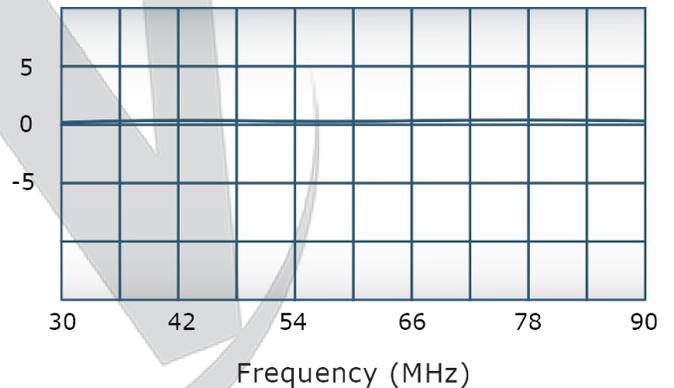
VSWR:



Isolation:



Phase Balance:

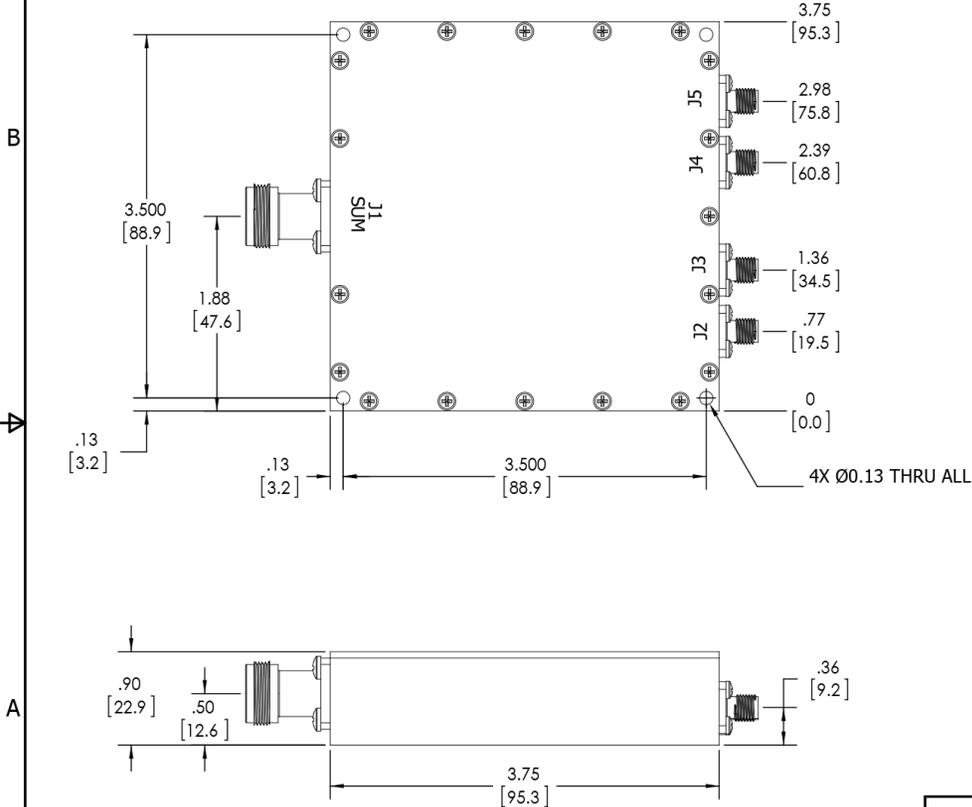


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	4/11/2012	SC
A	ECN: 7959	1/29/2013	SC
B	ECN: 8678	8/1/2014	SC



UNLESS OTHERWISE SPECIFIED		OWN	DATE	 WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	DATE	
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		PR	DATE	TITLE
DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE SPECIFIED		ENGR	DATE	SIZE
TOLERANCES:		REV	DATE	CAGE CODE
ANGLES = 3°		DATE	DATE	DWG NO
3 PL ± .005 (13)		DATE	DATE	REV
2 PL ± .015 (38)		DATE	DATE	REV
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		DATE	DATE	REV
CONCENTRICITY FACING .004 - .002 FPM		DATE	DATE	REV
MACHINE TOOL MISMATCH .003 MAX		DATE	DATE	REV
NEXT ASSY	USED ON	SCALE	1:1	28812 20882-500
APPLICATION	THIRD ANGLE PROJECTION	SCALE	1:1	SHEET 1 OF 1

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