

PRODUCT DATA SHEET

D9343

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: 1000 - 2500 MHz
Power: 1000 W CW
Insertion Loss: 0.5 dB Max.
VSWR: 1.35:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: 0.25 dB Max.
Isolation: 10 dB Min.

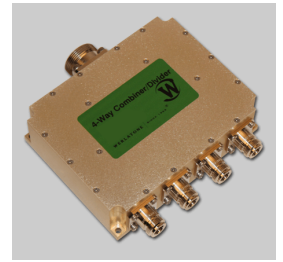
Mechanical Specifications:

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: 2.625 lbs.
Size: 5.5 x 4.25 x 1.6"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D9343-10	N Female	N Female
D9343-12	N Female	SMA
D9343-20	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.

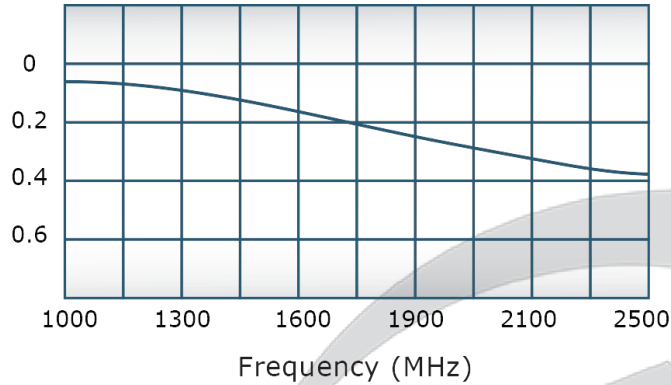


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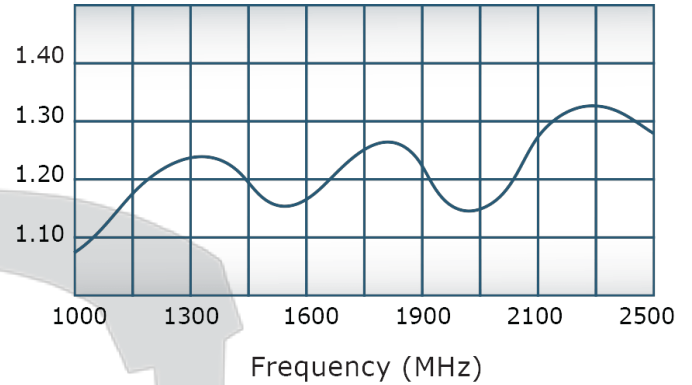
D9343

Performance Data (Specifications subject to change without notice):

Insertion Loss:



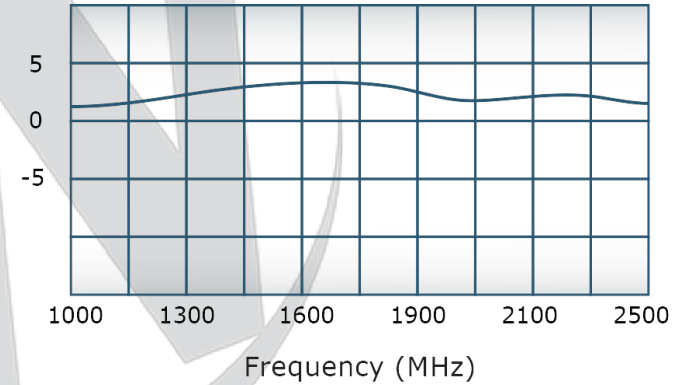
VSWR:



Since 1965:



Phase Balance:



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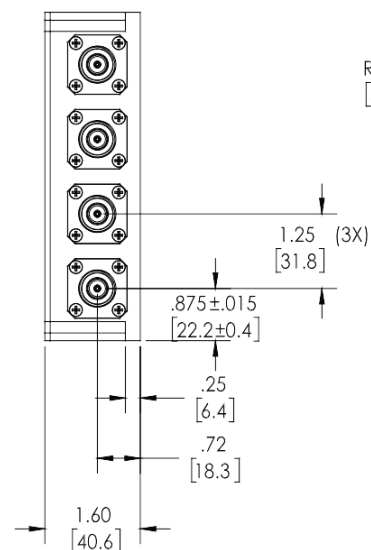
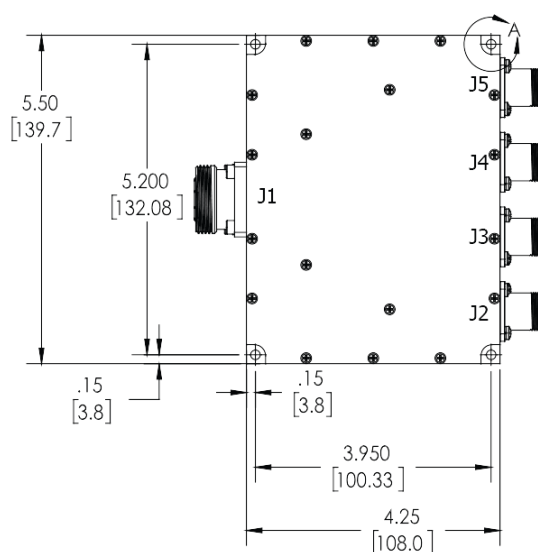
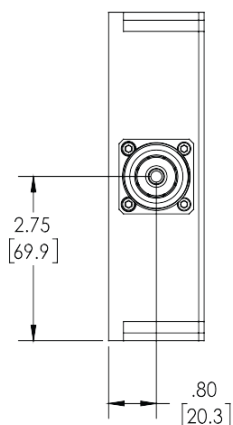
.15 [3.8]

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DETAIL A
SCALE 2:1



		UNLESS OTHERWISE SPECIFIED		DOWN	DATE	 WERLATON SINCE 1965		17 Jon Barrett Rd Patterson, NY 12568	
		• INTERPRET DRAWING MAN MFG-GTS-100 • DIMENSIONING PER ASME Y14.5M-2009 • INTERPRETATIONAL INFO FOR RPT ONLY • DIMENSIONS ARE IN INCHES (IN/IN) • DIMENSIONAL LIMITS APPLY BEFORE PROCESSING • TOLERANCES: - ANGLES ± 2° 2 PL. ± .005 (.13) 2 PL. ± .015 (.38)	GP	3/1/2013	 WERLATON SINCE 1965				
			CHK	DATE					
			CS	3/1/2013		TITLE			
			ENGR	DATE					
			PRGR	DATE					
21008-300A	D9811-20		QA	DATE	SIZE	CAGE CODE	DWG NO		
NEXT ASSY	D9343-20 USED ON		RLSE	DATE	B 28812		21008-500		
APPLICATION		THIRD ANGLE PROJECTION 		SCALE		1:2		SHEET 1 OF 1	

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Rev.-