



PRODUCT DATA SHEET

D9623

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 Custom Designs Available

Electrical Specifications:

Frequency: 1000 - 3000 MHz
 Power: 500 W CW
 Insertion Loss: 0.45 dB Max.
 VSWR: 1.40:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: Non-Isolated

Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type II Class 3 (RoHS, Trivalent)
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Size: 5.5 x 4.25 x 1.6"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D9623	SC Female	N Female
D9623-20	7/16 Female	N Female
C9623-CF-43*	SC Female	N Female

Unit designed for 95%, Condensing, MIL-810-G, Method 507, utilizing conformal coating on circuit (Humiseal), connector type shall insure protection against dissimilar metals.

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.



WERLATONE

Model D9623

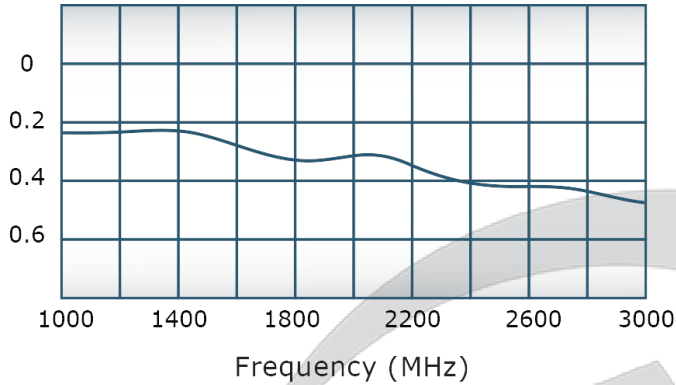


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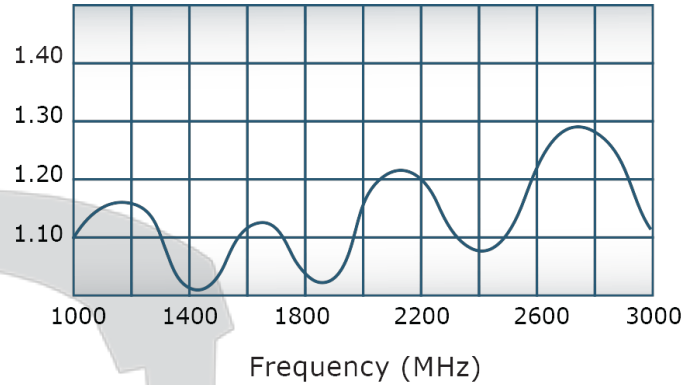
D9623

Performance Data (Specifications subject to change without notice):

Insertion Loss:



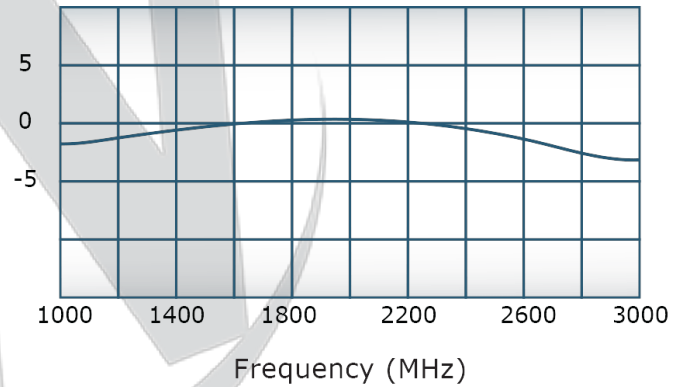
VSWR:



Since 1965:



Phase Balance:



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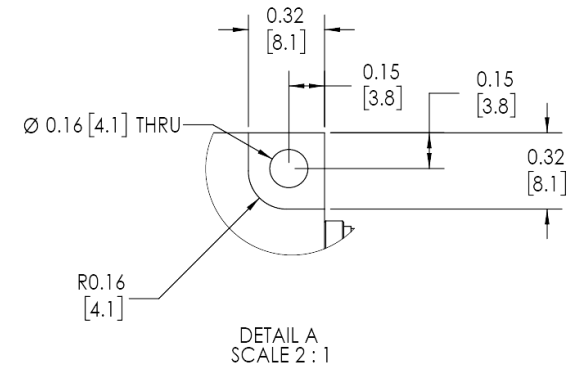
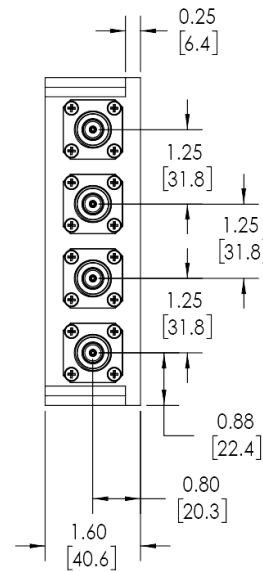
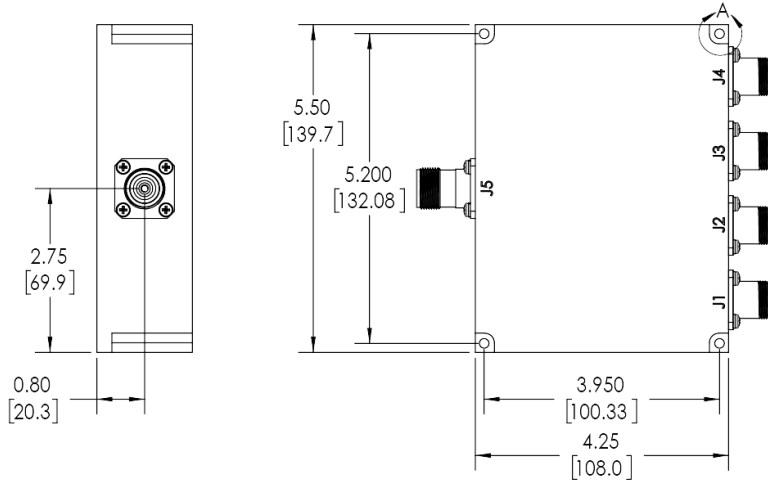
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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	7/15/2013	BW
A	ECN 8853	7/20/2015	BW
B	ECN 9696	11/25/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:**
J1-J4: N FEMALE
J5: SC FEMALE



UNLESS OTHERWISE SPECIFIED		SD	DATE	11/25/2019
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	DATE	
DIMENSIONS PER ASME Y14.5M-2009		CS	DATE	11/25/2019
PARENTHESES FOR REFERENCE ONLY		ENGR	DATE	
DIMENSIONS ARE IN INCHES		INFR	DATE	
DIMENSIONAL LIMITS APPLY BEFORE FINISHES		QA	DATE	
TOLERANCES:		RLSE	DATE	
ANGLES ± 2°				
3 PL ± .005 [13]				
2 PL ± .015 [38]				
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX				
CONCENTRICITY MACHINED DIA. .002 FIM				
MACHINE TOOL MATCH .003 FIM				
THIRD ANGLE PROJECTION				
NEXT ASSY USED ON				
APPLICATION				
TITLE		SIZE	CAGE CODE	DWG NO.
OUTLINE		B		21028-500
SCALE		1:2		
SHEET 1 OF 1				

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