
PRODUCT DATA SHEET
D9706

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: 2700-3500 MHz
 Power: 2,000 W CW
 Insertion Loss: 0.35 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: ± 0.3 dB Max.
 Isolation: Non-Isolated

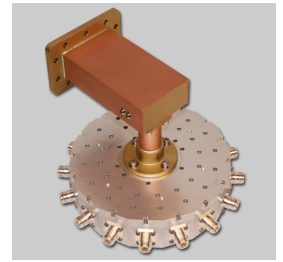
Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type II
 Class 3 (Clear/RoHS)
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Size: RADIAL

Connector Configurations:

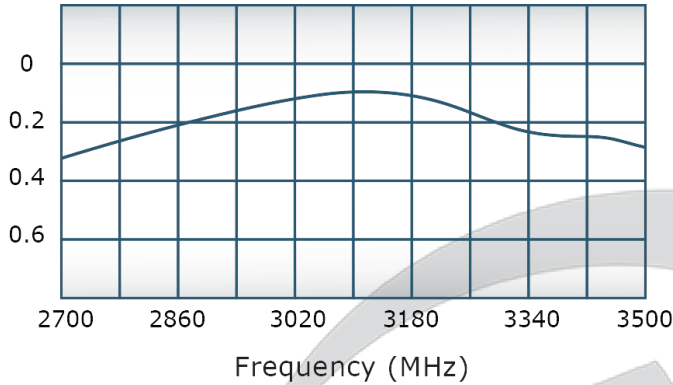
Model	Sum Port (J17)	Input/Output (J1-J16)
D9706-WG10	WR284	N Female
D9706-WG10RA	WR284	Rt. Angle N Female

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.

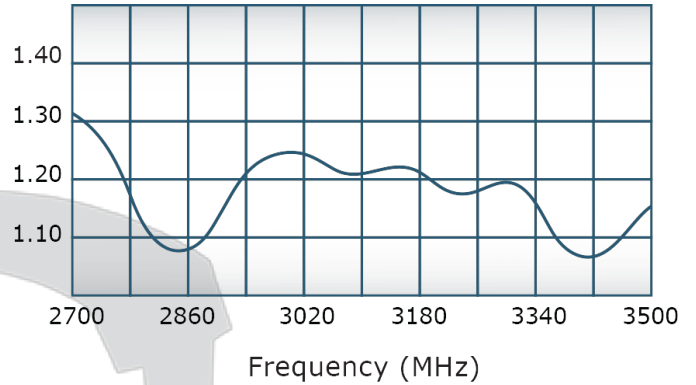


Performance Data (Specifications subject to change without notice):

Insertion Loss:



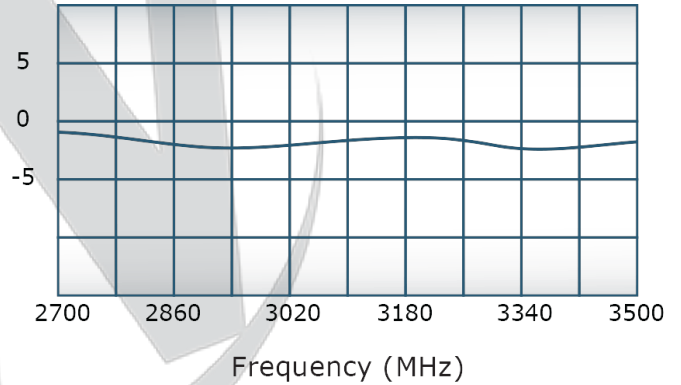
VSWR:



Since 1965:



Phase Balance:

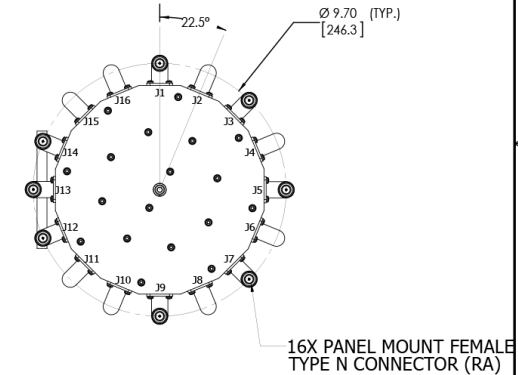
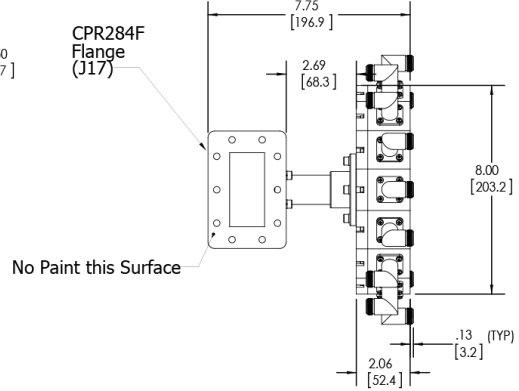
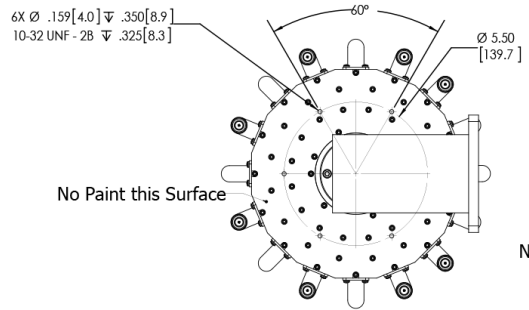
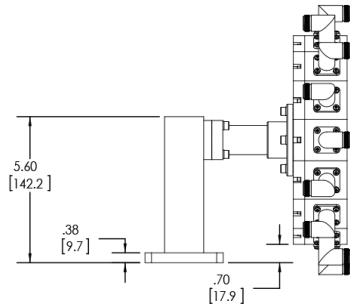


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REV.	REVISION RECORD	DATE	APPROVED
-		2/4/13	BW
A	ECN 7964	2/11/13	BW
B	ECN 8051	4/2/2013	BW
C	ECN 8199	5/28/13	BW



UNLESS OTHERWISE SPECIFIED		OWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		GP	4/2/2013	
DIMENSIONS PER ASME Y14.5M-2009		CHK	DATE	TITLE
DIMENSIONS ARE IN INCHES (mm)		CS	2/4/2013	
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		ENGR	DATE	16-Way Radial Power Combiner SIZE CAGE CODE DWG NO B 28812 20998-500
TOLERANCES:		MPGR	DATE	
ANGLES = 3°		QA	DATE	SCALE 1:4 SHEET 1 OF 1
3 RL ± .005 [13]		RELE	DATE	
2 RL ± .015 [38]		APPLICATION		
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		NEXT ASSY USED ON		
CONDUCTIVITY FINISHED OR .002 FPM		APPLICATION		
MACHINE TOOL MISMATCH .003 MAX		APPLICATION		

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