

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:	± 5° 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.



WERLATONE

Model D9706

Combiners In-Phase Connectorized Radial

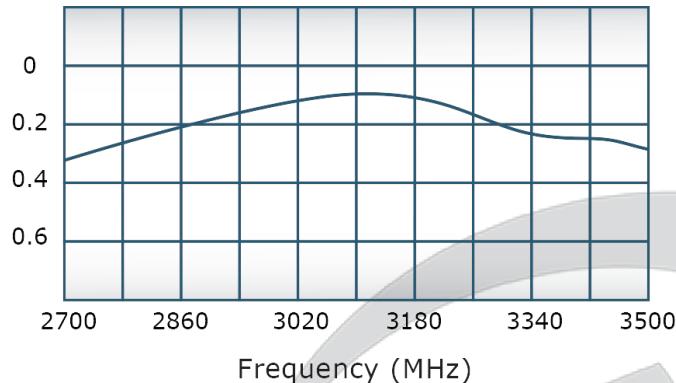


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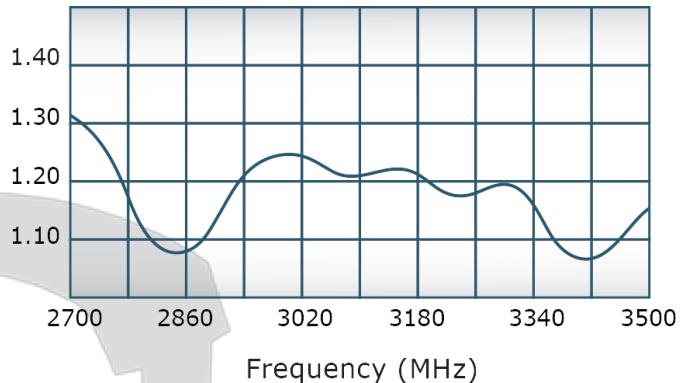
D9706

Performance Data (Specifications subject to change without notice):

Insertion Loss:



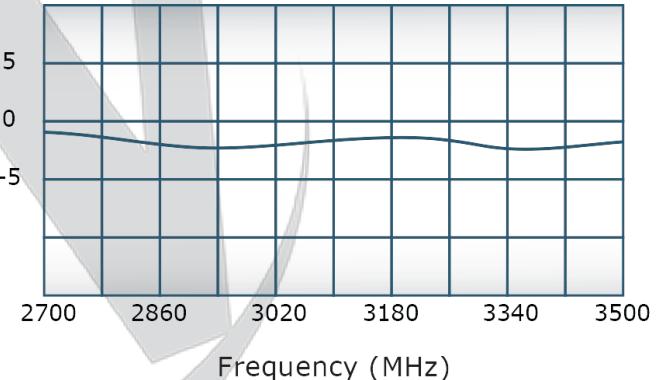
VSWR:



Since 1965:



Phase Balance:



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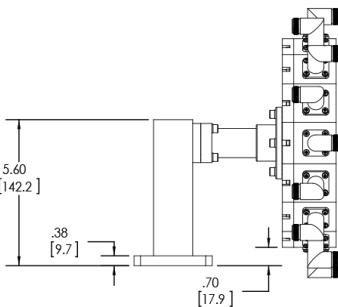
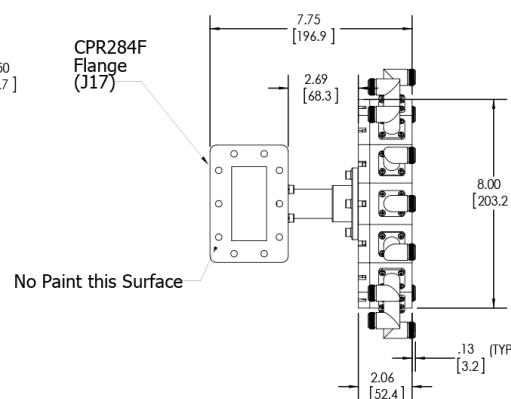
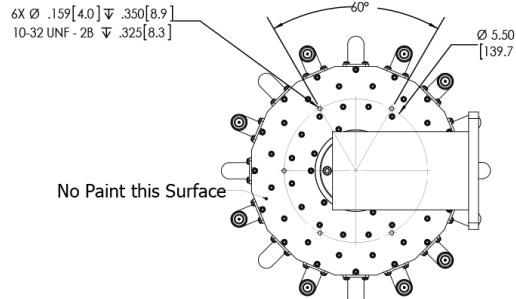
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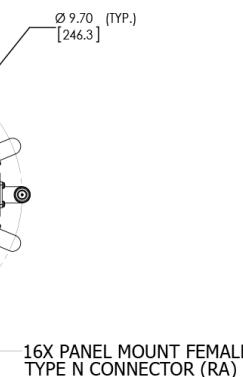
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REV.	REVISION RECORD	DATE	APPROVED
			BW
-		2/4/13	BW
A	ECN 7964	2/11/13	BW
B	ECN 8051	4/2/2013	BW
C	ECN 8199	5/28/13	BW

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UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE	GP	DATE	TITLE	17 Jon Barrett Rd Patterson, NY 12563
INTERNSHEET DRAWING JAW MD-STD-100	DIMENSIONING PER ASME Y14.5M-2009						
ALL DIMENSIONS ARE IN INCHES (mm)	ALL TOLERANCES ARE IN INCHES (mm)	CHK	2/4/2013	CS	2/4/2013	ENGR	
ALL DIMENSIONS ARE IN INCHES (mm)	ALL TOLERANCES ARE IN INCHES (mm)	MFGR		QA		REV	
ANGLES ARE IN DEGREES (RAD)	ANGLES ARE IN DEGREES (RAD)	DATE		DATE		16-Way Radial Power Combiner	
REMOVED ALL EXCESSIVE AND FROG EDGES .020 MAX	REMOVED ALL EXCESSIVE AND FROG EDGES .020 MAX	SIZE		CAGE CODE		DRAW NO	
CONCENTRICITY MACHINED DATA .002 FIM	CONCENTRICITY MACHINED DATA .002 FIM	B	2/28/12	20998-500			
MACHINE TOOL MISMATCH .003 MAX	MACHINE TOOL MISMATCH .003 MAX	DATE		DATE		SCALE	
		RELEASE		RELEASE		1:4	
							SHEET 1 OF 1

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