

**PRODUCT DATA SHEET****D10885**

**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:	2000 - 4000 MHz
Power:	700 W CW
Insertion Loss:	0.45 dB Max.
VSWR:	1.40:1 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 Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	5.0 x 2.15 x 1.56"

**Connector Configurations:**

<b>Model</b>	<b>Sum Port (J1)</b>	<b>Input/Output (J2-J5)</b>
D10885-20	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.



# WERLATONE

Model D10885

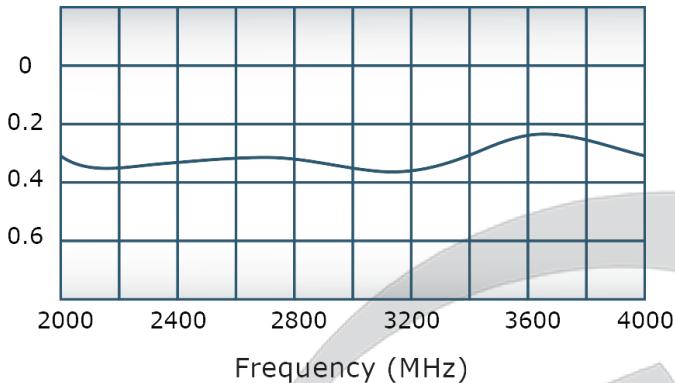
Combiners In-Phase Connectorized

## PRODUCT DATA SHEET

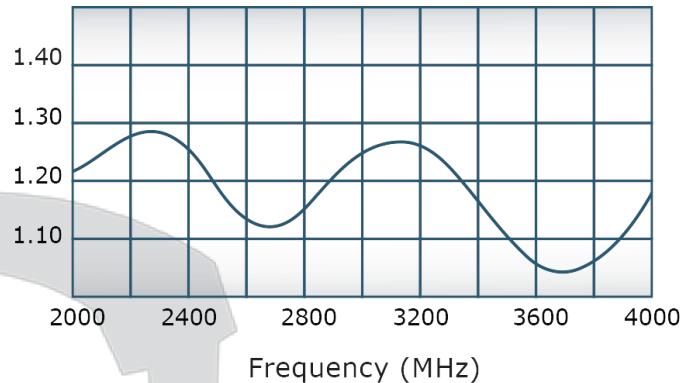
D10885

### Performance Data (Specifications subject to change without notice):

Insertion Loss:



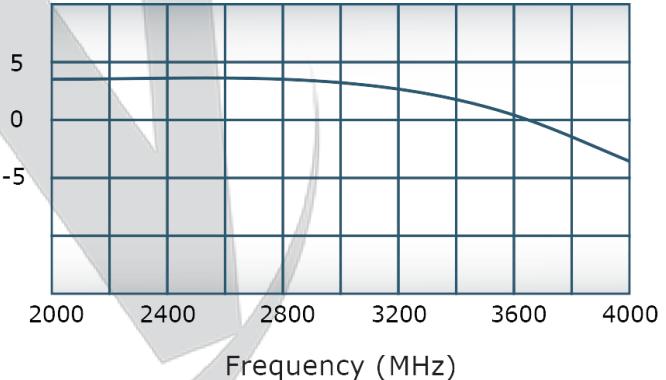
VSWR:



Since 1965:



Phase Balance:



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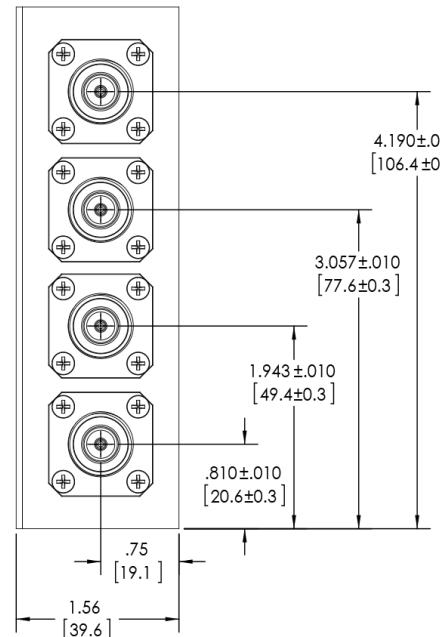
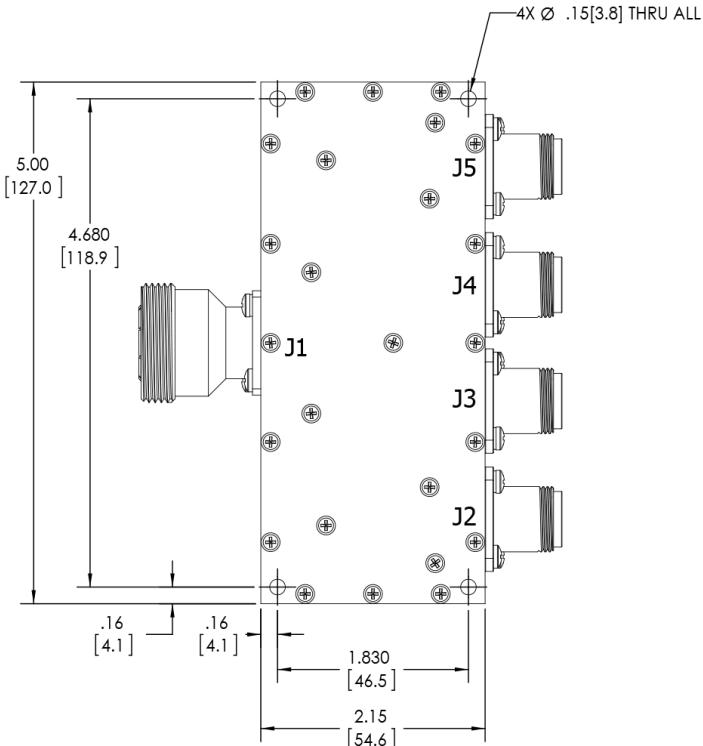
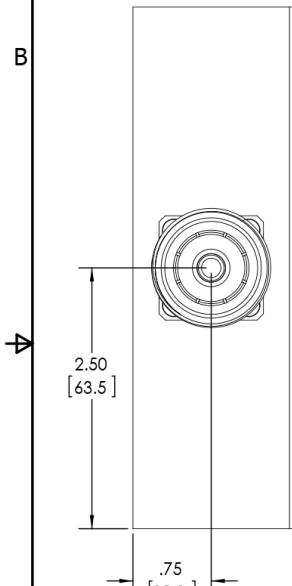
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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REVISION HISTORY

REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	10/12/16	BW



UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE	W	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
INTERIM DRAWING JAW MD-STD-100		GP	10/11/2016			
DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE			
ALL DIMENSIONS ARE IN INCHES (mm)		CS	10/12/2016			
DIMENSIONAL LIMITS APPLY BEFORE PROCESSSES		ENGR	DATE			
TIKERNANCE		GP	10/12/2016			
ANGLE 1.5° A 4.05 [13] 2.0 A 4.05 [13]		MFGR	DATE			
REMOVED ALL EXCESSIVE FACES & EDGES 0.01 MAX CONCENTRICITY MACHINED DATA .002 FIM MACHINE TOOL MISMATCH .003 MAX		QA	DATE			
NEXT ASSY	USED ON					
APPLICATION						
THIRD ANGLE PROJECTION						
RELEASE		SIZE	CAGE CODE	DRAWING NO		
BW		DATE	B 28812	21489-500		
		SCALE	1:1			REV
						-

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