WERLATONE

Model D5855
Combiners In-Phase Connectorized

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:	1 - 30 MHz
Power:	200 W CW
Insertion Loss:	0.2 dB Max.
VSWR:	1.20:1 Max.
Phase Balance:	± 3° Max.
Amplitude Balance:	0.1 dB Max.
Isolation:	25 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:	3 lbs.
Size:	6.0 x 5.0 x 2.0''

Connector Configurations:

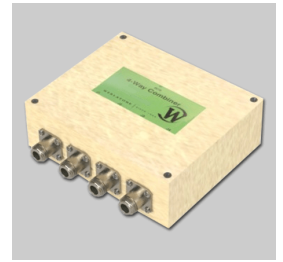| Model	Sum Port (J5)	Input/Output (J1-J4)
D5855-10	N Female	N Female
D5855-12	N Female	SMA
D5855-13	N Female	BNC
D5855-102	SMA	SMA

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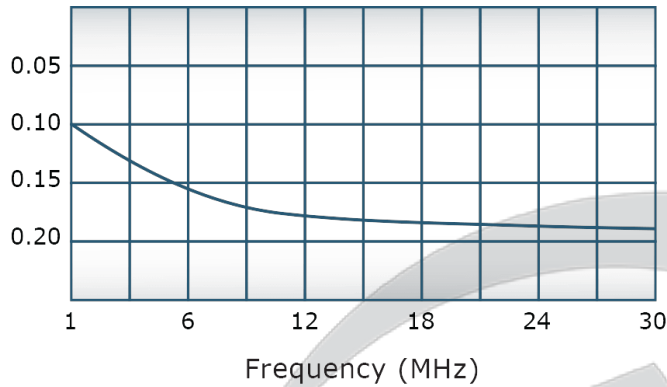
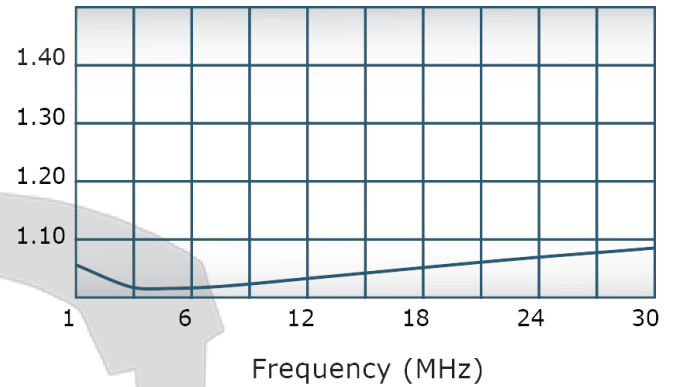## Performance Data (Specifications subject to change without notice):

Insertion Loss:

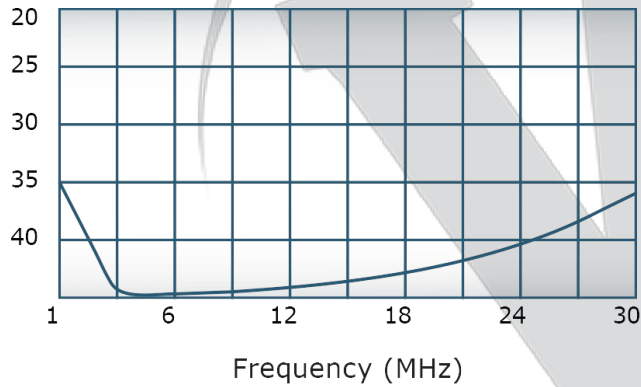
Frequency (MHz)

VSWR:

Frequency (MHz)

Isolation:

Frequency (MHz)

Phase Balance:

Frequency (MHz)

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6-32 X .25 DP (4X) FAR SIDE

6.00

J5
J4
J3
J2
J1

4.500

5.00

2.00

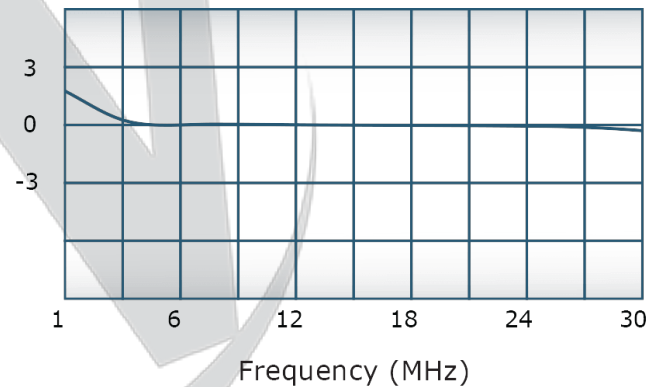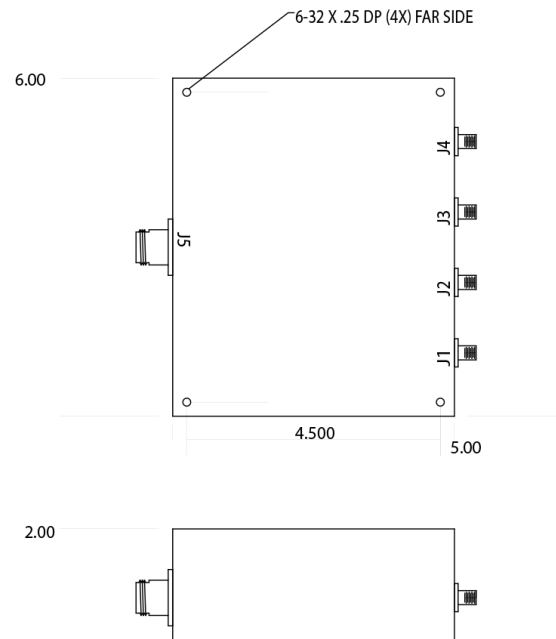| TOLERANCE (EXCEPT AS NOTED)	WERLATONE INC.			
XX +/- .015 XXX +/-.005		SCALE	DRAWN BY CS	
			APPROVED BY 11/98	
	TITLE	OUTLINE		
	DATE 9/17/98	DRAWING NUMBER 10521-500		

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