



PRODUCT DATA SHEET

D10386

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:	1.5-40 MHz
Power:	5000 W CW
Insertion Loss:	0.3 dB Max.
VSWR:	1.25:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.15 dB Max.
Isolation:	20 dB Min.

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite)
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	13.0 x 11.0 x 5.0"

Connector Configurations:

Model	Sum Port (J5)	Input/Output (J1-J4)
D10386-20	7/16 Female	N Female
D10386-30	LC Female	N Female
D10386-40	SC Female	SC Female
D10386-41	SC 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 D10386

Combiners In-Phase Connectorized

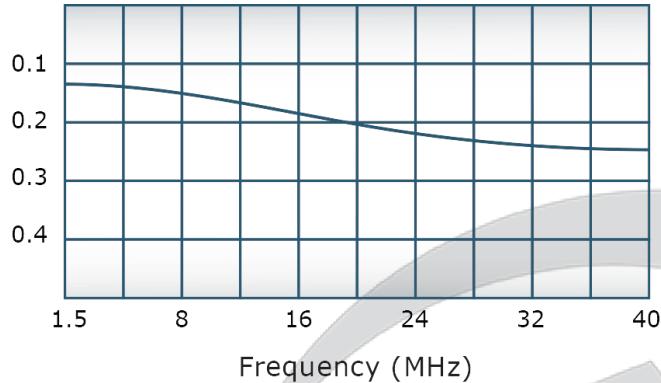


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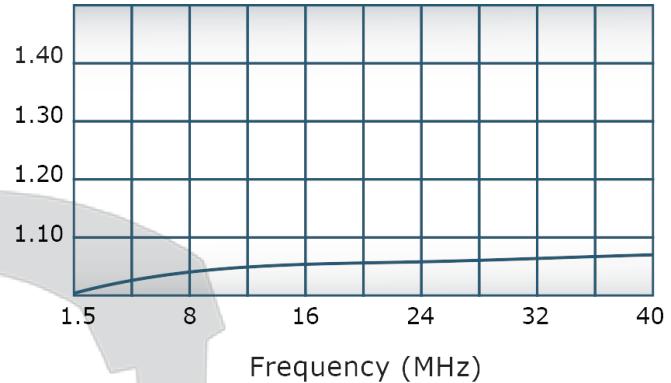
D10386

Performance Data (Specifications subject to change without notice):

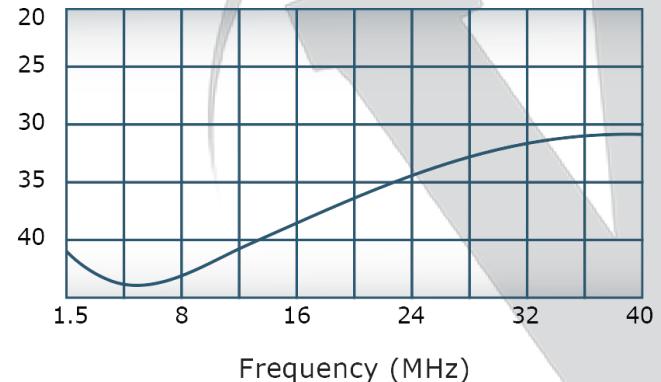
Insertion Loss:



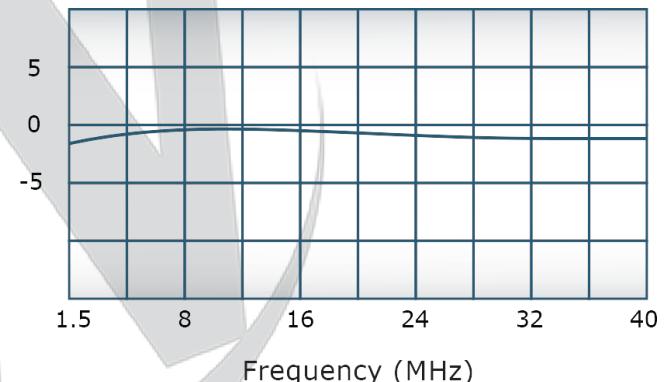
VSWR:



Isolation:



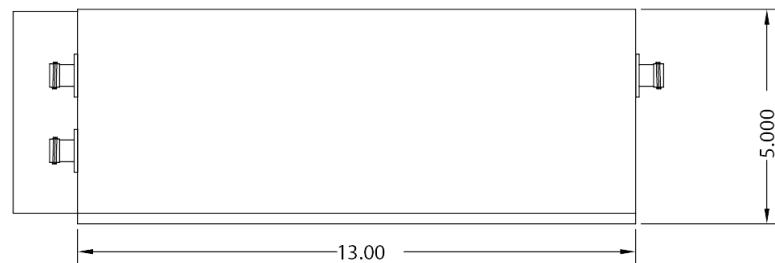
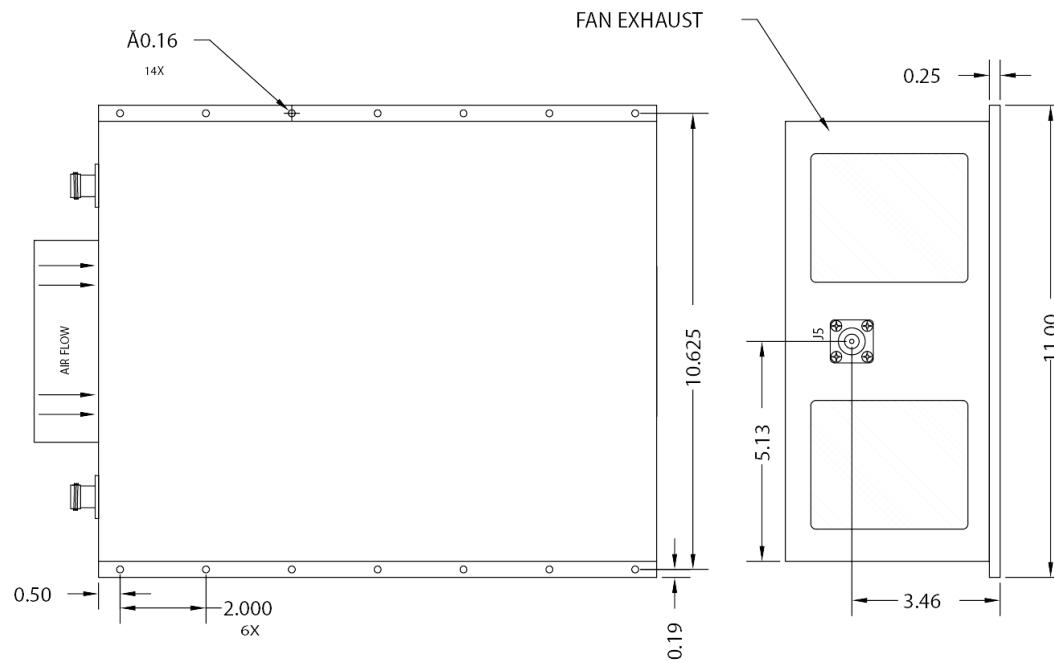
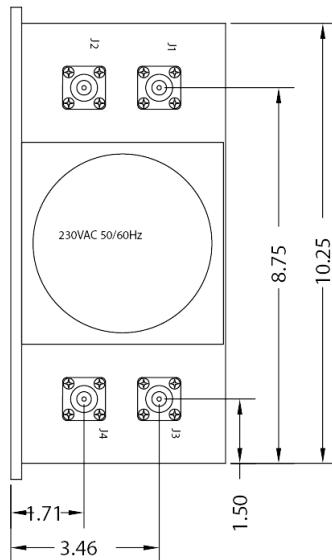
Phase Balance:



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DATE	SYM	REVISION RECORD	AUTH	DR	CK
4/12	A	ECN 5650	WS		



MATERIAL: ALUM.
FINISH: YELLOW IRIDITE
J1-J4: N FEMALE
JS: SC FEMALE

WERLATONE INC.			
TOLERANCE (EXCEPT AS NOTED)	USED ON:	SCALE	DRAWN BY MJ APPROVED BY
XX +/- .015 XXX +/- .005			
XX	TITLE		
	DATE 4/4/03	DRAWING NUMBER 10901-500	

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