



PRODUCT DATA SHEET

D9645

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: 2-30 MHz
Power: 4000 W CW
Insertion Loss: 0.35 dB Max.
VSWR: 1.20:1 Max.
Phase Balance: ± 5° Max.
Amplitude Balance: 0.2 dB Max.
Isolation: 20 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
Size: 20.25 x 16.89 x 5.22"

Connector Configurations:

Model D9645	RF Output (J1) 7/16 Female	Input (J2-J5) N Female
500W Load (J6-J9) N Female	2000W Load (J10) HN Female	J11 Fan PWR 115 VAC

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.

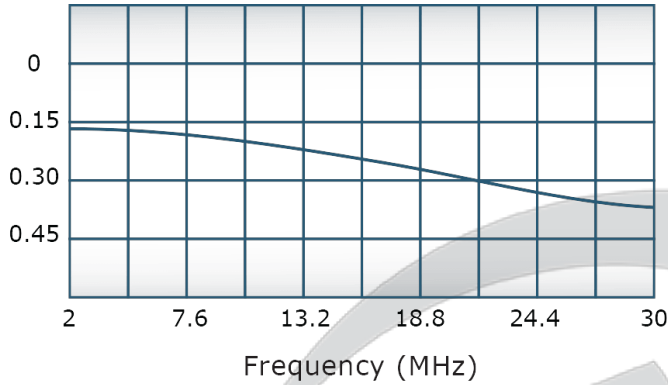
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

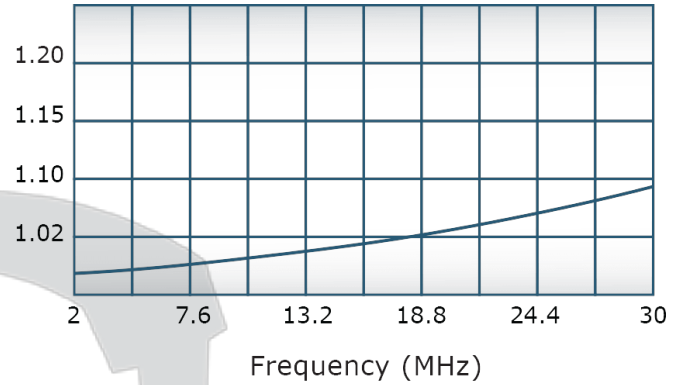


Performance Data (Specifications subject to change without notice):

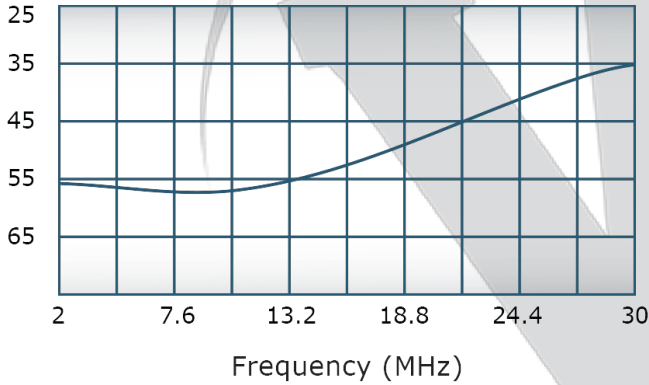
Insertion Loss:



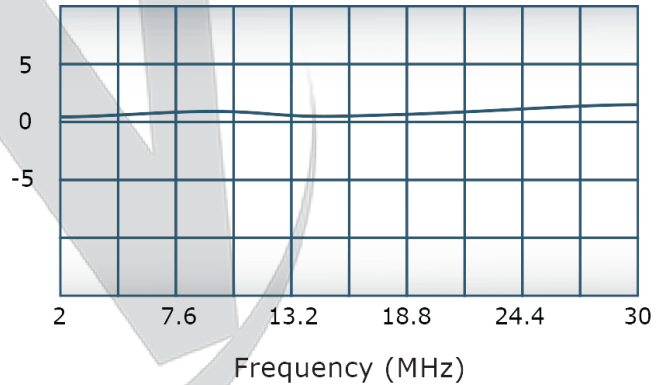
VSWR:



Isolation:



Phase Balance:



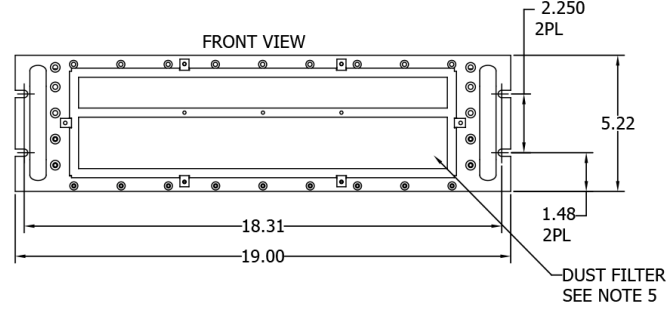
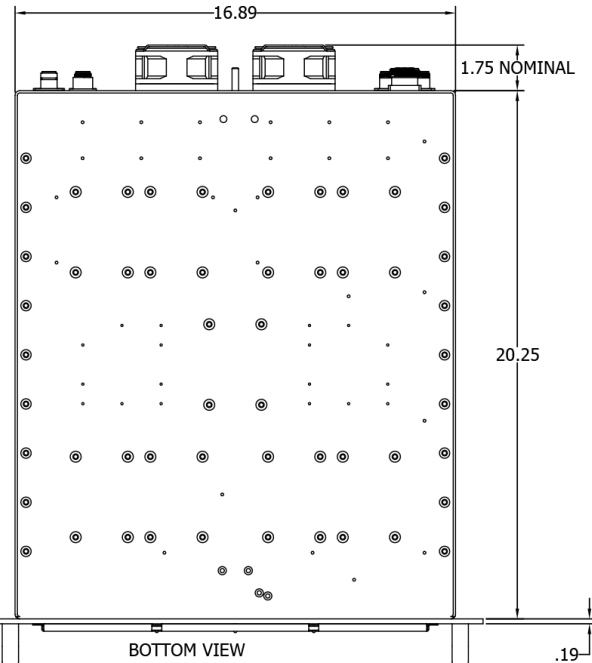
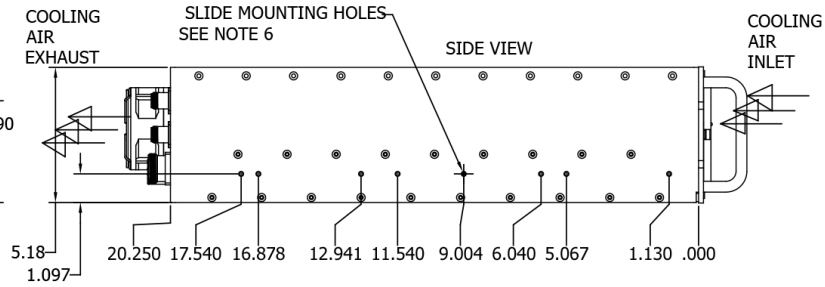
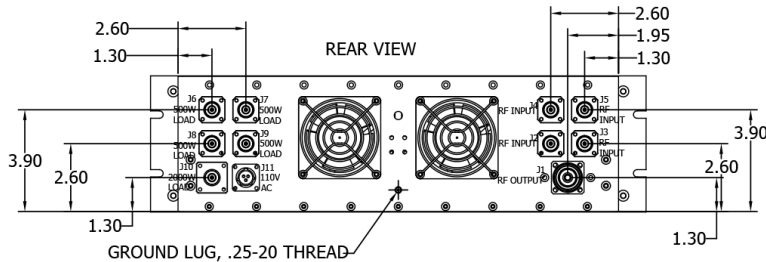
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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
A	INITIAL RELEASE	8/13/2012	BW
	ECN 7563	10/4/2012	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	17 Jon Barrett Rd Patterson, NY 12563
• INTERPRET DRAWING LAW MEI-C10-100 • DIMENSIONING PER ASME Y14.5M-2009 • DIMENSIONAL LIMITS FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSING • TOLERANCES: ANGLES ±.2° 3 PL ± .005 2 PL ± .015 • REMOVE ALL BURRS AND SHARP EDGES R1.25 MAX • CONCENTRICITY MACHINED DIA: .002 FIM • MACHINE TOOL MISMATCH .003 MAX THIRD ANGLE PROJECTION		ppolidoro	8/1/2012	
NEXT ASSY	USED ON	CHK	DATE	OUTLINE, 4 WAY
APPLICATION		CS	1/17/2013	
		ENGR	DATE	SIZE CASE CODE DWG NO B 2881220921-500
		RFW	DATE	SCALE SHEET 1 OF 1
		QA	DATE	REV
		RLSE	DATE	A

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