

PRODUCT DATA SHEET

D6717

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: 20 - 130 MHz
 Power: 100 W CW
 Insertion Loss: 0.35 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: $\pm 5^\circ$ Max.
 Amplitude Balance: 0.2 dB Max.
 Isolation: 18 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: 0.75 lbs.
 Size: 5.0 x 3.0 x 2.25"

Connector Configurations:

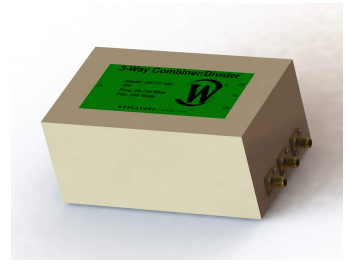
Model	Sum Port (J1)	Input/Output (J2-J4)
D6717-10	N Female	N Female
D6717-12	N Female	SMA
D6717-102	SMA	SMA

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

Model D6717

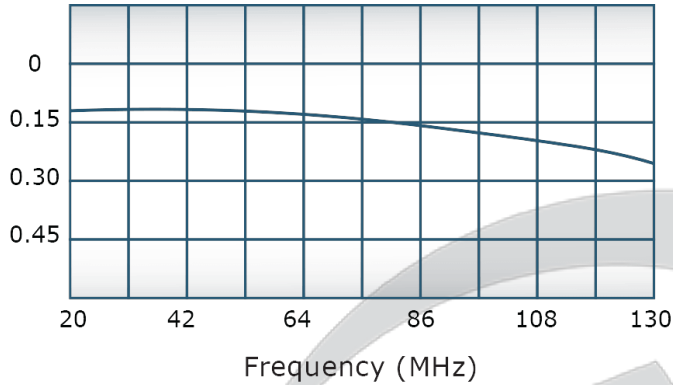


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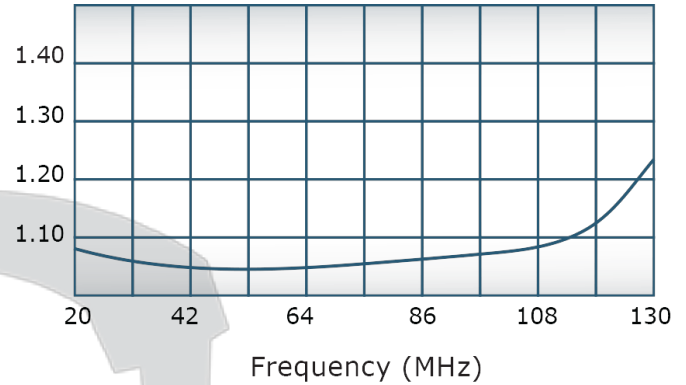
D6717

Performance Data (Specifications subject to change without notice):

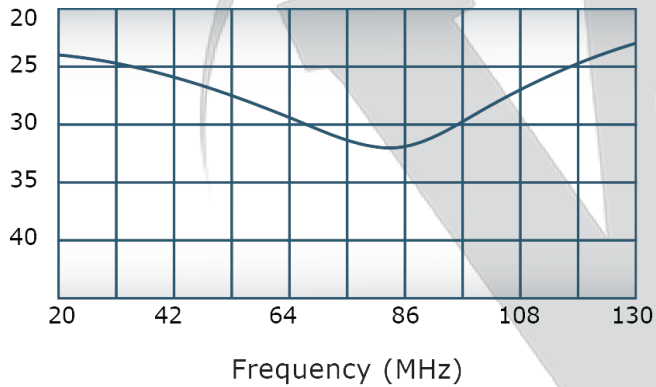
Insertion Loss:



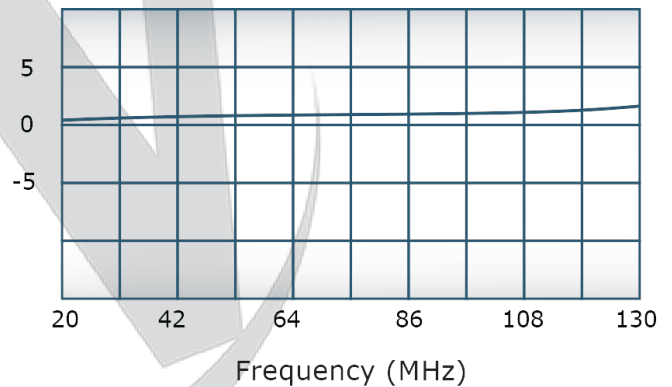
VSWR:



Isolation:



Phase Balance:



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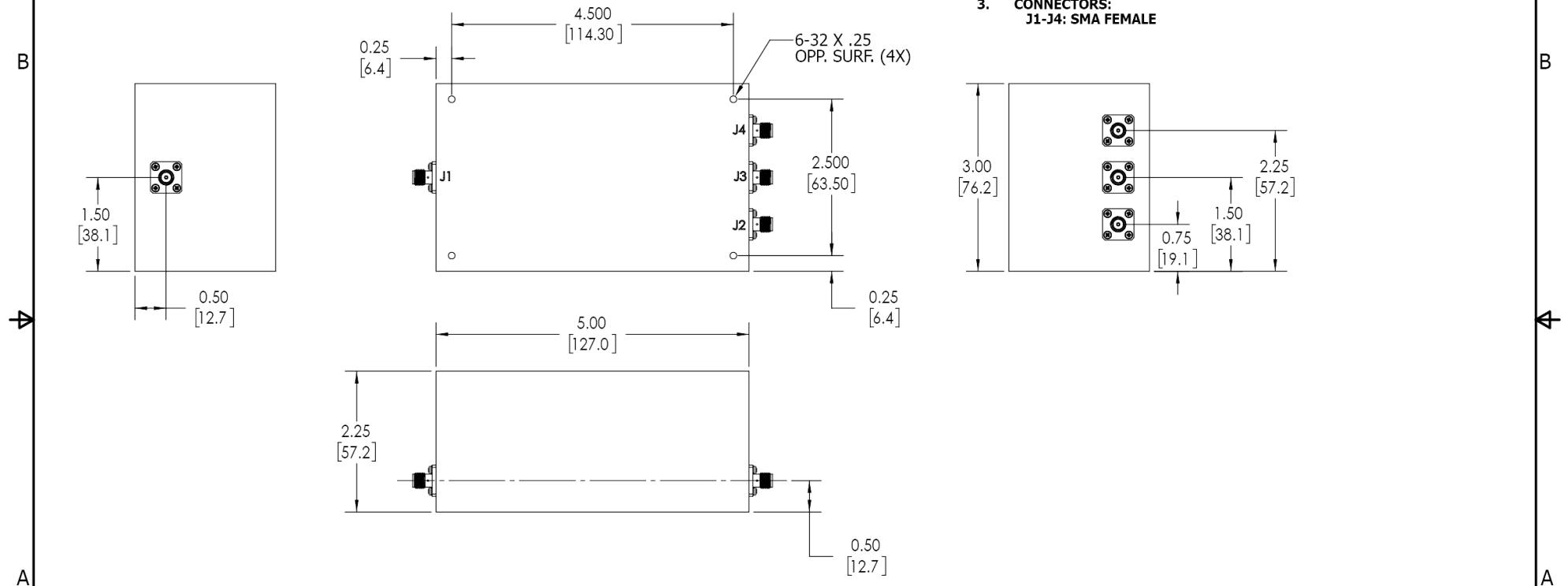
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/18/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:
J1-J4: SMA FEMALE**



<div>UNLESS OTHERWISE SPECIFIED</div> <div>INTERPRET DRAWING 100 MIL-STD-100</div> <div>DIMENSIONS PER ASME Y14.5M-2009</div> <div>PARENTHEICAL INFO FOR REF ONLY</div> <div>DIMENSIONS ARE IN INCHES</div> <div>DIMENSIONAL LIMITS APPLY BEFORE FINISHES</div> <div>TOLERANCES:</div> <div> ANGLES ± 2°</div> <div> 3 PL ± .005 [13]</div> <div> 2 PL ± .015 [38]</div> <div>REMOVE ALL BURRS AND SHARP EDGES R.01 MAX</div> <div>CONCENTRICITY MACHINED DIA. .002 FIM</div> <div>MACHINE TOOL MISMATCH .003 FIM</div> <div>THIRD ANGLE PROJECTION</div> <div></div>		DWN	DATE	<div> WERLATONE SINCE 1965</div> <div>17 Jon Barrett Rd Patterson, NY 12563</div>
		SD	11/18/2019	
		CHK	DATE	
		CS	11/18/2019	
		ENGR	DATE	
		MFR	DATE	
		QA	DATE	
		RLSE	DATE	
		SCALE	1.5	
		SHEET	1 OF 1	

NEXT ASSY		USED ON		APPLICATION	

TITLE		CAGE CODE		DWG NO		REV	
OUTLINE		B		10812-500		A	

WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
TITLE		OUTLINE	
SIZE	CAGE CODE	DWG NO	REV
B		10812-500	A
SCALE	SHEET 1 OF 1		
1:1.5			

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