

PRODUCT DATA SHEET

D6000

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: 100 - 500 MHz
 Power: 25 W CW
 Insertion Loss: 0.65 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.25 dB Max.
 Isolation: 20 dB Min.

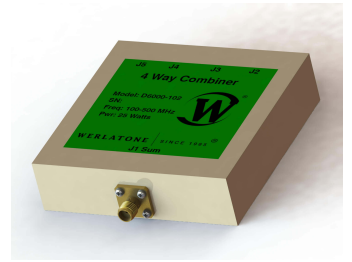
Mechanical Specifications:

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
 Weight: 0.5 lbs.
 Size: 3.0 x 3.0 x 0.8"

Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D8000-102	SMA Female	SMA 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.

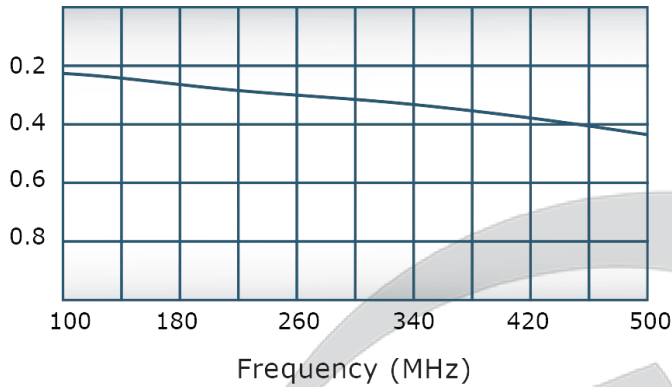


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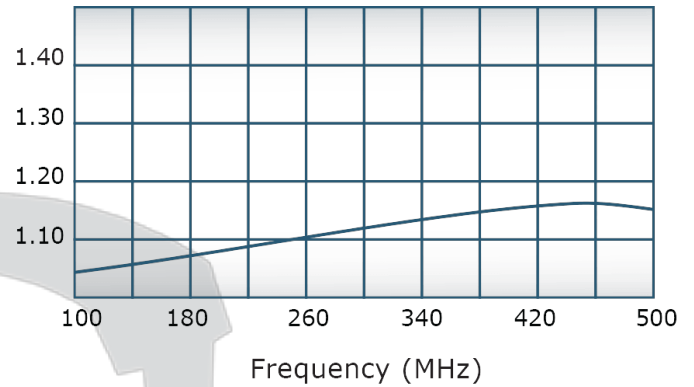
D6000

Performance Data (Specifications subject to change without notice):

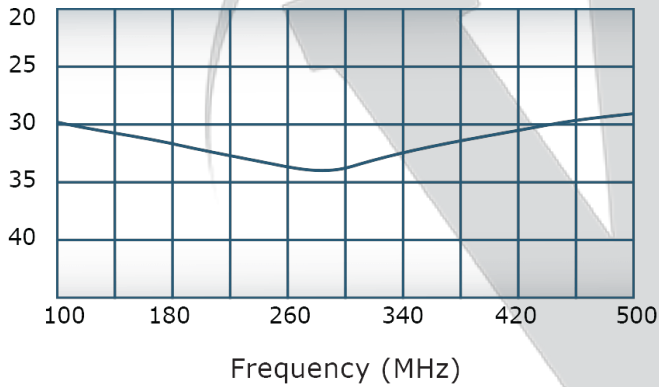
Insertion Loss:



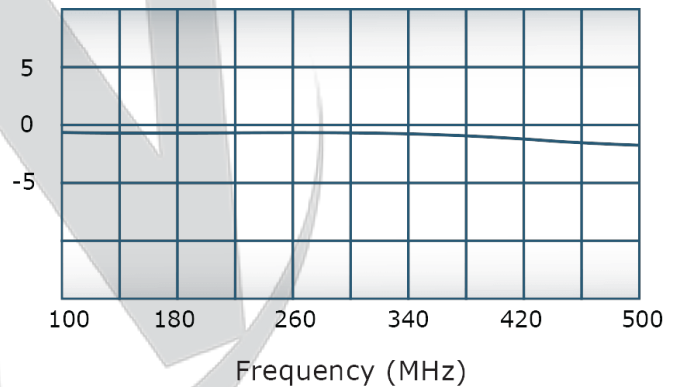
VSWR:



Isolation:



Phase Balance:

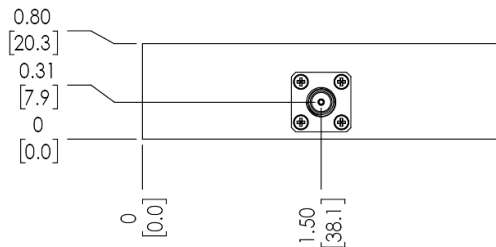
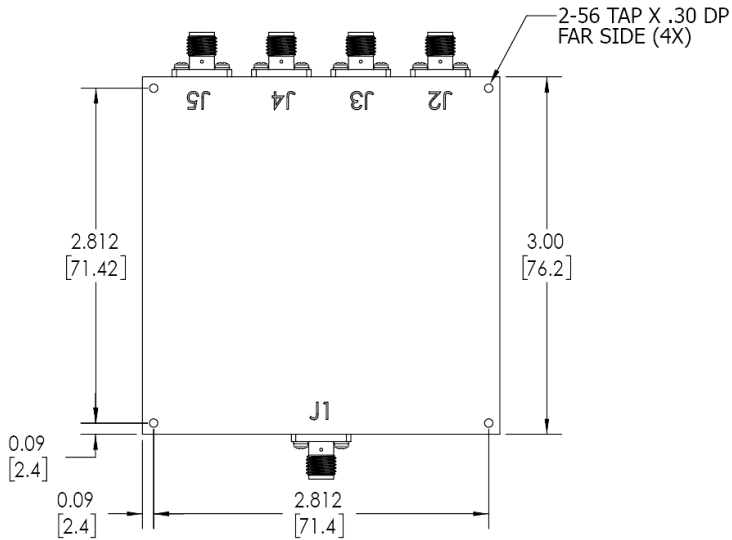
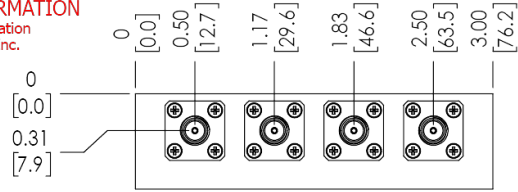


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Werlatone, Inc.

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 8542	1/09/14	SC
B	ECN 9696	9/10/2019	RB

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS:
J1-J5: SMA FEMALE**

UNLESS OTHERWISE SPECIFIED		OWN	DATE	17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IAW MIL-STD-100	SD	9/10/2019	W	WERLATONE SINCE 1965
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE		
PARENTHEetical INFO FOR REF ONLY	CS	9/10/2019		
DIMENSIONS ARE IN INCHES	ENGR	DATE	TITLE	
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	DATE		OUTLINE	
TOLERANCES:	INFR	DATE	SIZE	CAGE CODE
ANGLES ± 2°	QA	DATE	B	10664-500
3 PL ± .005 (.13)	DATE		DWG NO	REV
2 PL ± .015 (.38)	SCALE		1:1	B
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX	DATE			SHEET 1 OF 1
CONCENTRICITY MACHINED DIA: .002 FIM				
MACHINE TOOL MISMATCH .003 DIA				
NEXT ASSY	USED ON	THIRD ANGLE PROJECTION		
APPLICATION				

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