
PRODUCT DATA SHEET
D9075

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 - 1000 MHz
 Power: 1000 W CW
 Insertion Loss: 0.65 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 5° Max.
 Amplitude Balance: 0.3 dB Max.
 Isolation: 15 dB Min.

Mechanical Specifications:

Type: Connectorized
 Material: Aluminum 6061-T6
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type II
 Class 3 (Clear Iridite) RoHS Compliant
 Available
 Operating Temperature: -55°C to +75°C
 Storage Temperature: -60°C to +85°C
 Weight: 4 lbs.
 Size: 5.7 x 4.7 x 1.75"

Connector Configurations:

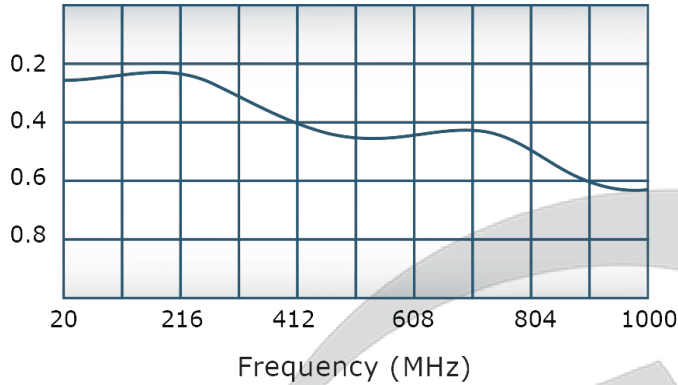
Model	Sum Port (J1)	Input/Output (J2-J5)
D9075-10	N Female	N Female
D9075-12	N Female	SMA Female
D9075-20	7/16 Female	N Female
D9075-22	7/16 Female	SMA
D9075-41	SC Female	N Female

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.

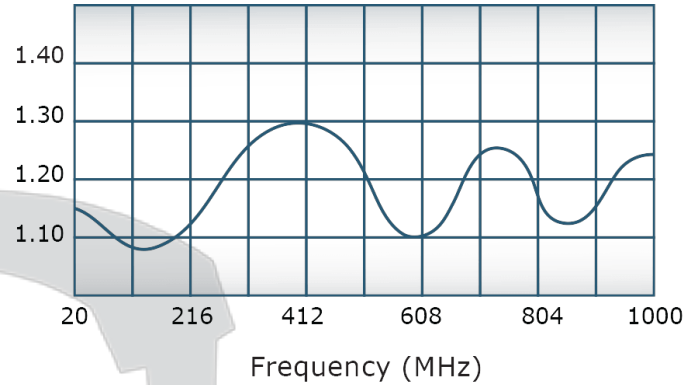


Performance Data (Specifications subject to change without notice):

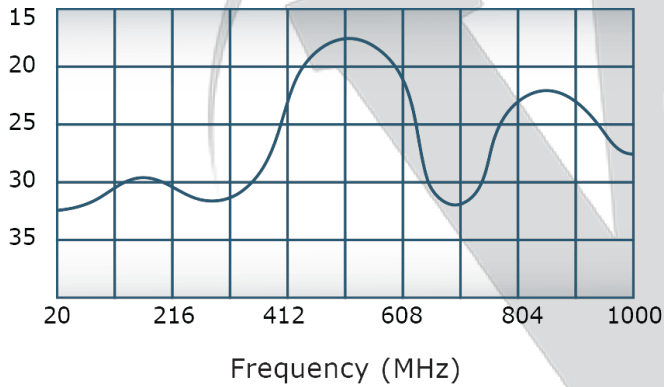
Insertion Loss:



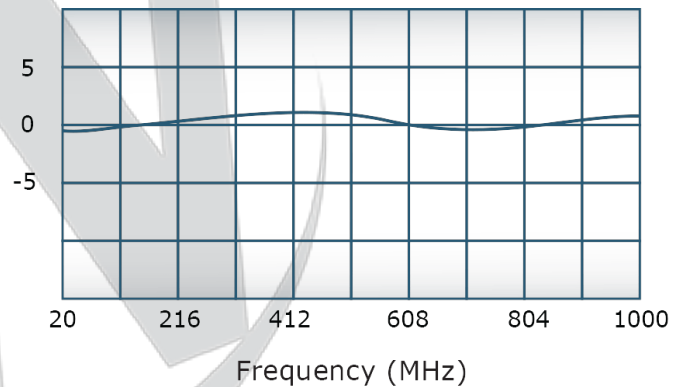
VSWR:



Isolation:



Phase Balance:



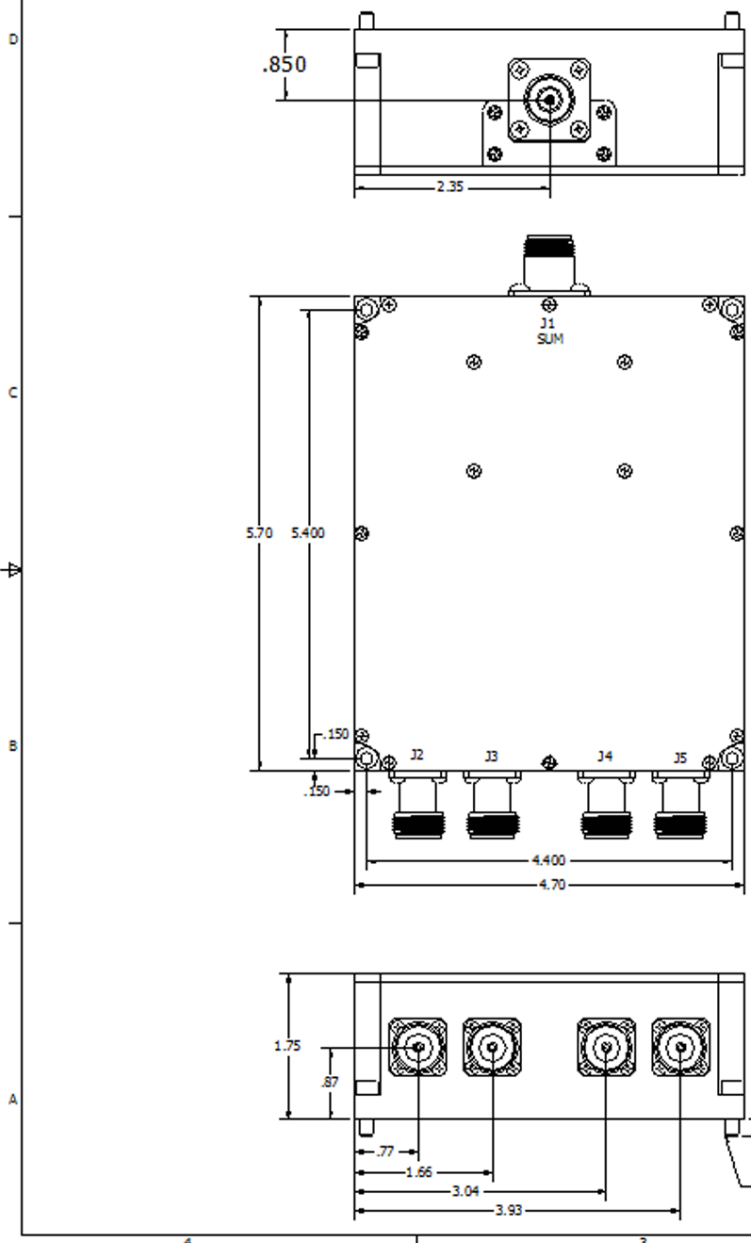
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Werlatone, Inc.

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REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
7/28/11	-	INITIAL RELEASE	PR		
5/28/13	A	8198	PR		
12/14/18	B	9718	PK		



UNLESS OTHERWISE SPECIFIED		DATE	7/28/2011	WERLATONE SINCE 1965	17 Jon Barrett Rd Patterson, NY 12563
* REFER TO DRAWING SAU 104574-000	* DIMENSIONS PER ASME Y14.5M-2009	DATE			
* DIMENSIONS ARE IN INCHES	* DIMENSIONAL UNITS APPLY BEFORE PROCESSES	DATE		OUTLINE D9075	
* TOLERANCES	ANGLES	DATE			
.0005	3°	DATE		DATE	
.001	0.05	DATE		DATE	
.002	0.15	DATE		DATE	
* HOLE TOLERANCES = DIA ± .001	* REMOVE ALL BURS AND SHARP EDGES: 0.1 R MAX	DATE		DATE	
* CONCENTRICITY MACHINED DIA: .002 FDI	* MACHINE TOOL VARIATION: .002 MAX	DATE		DATE	
* THIRD ANGLE PROJECTION		DATE		DATE	
		DATE		DATE	

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