



## 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:  $\pm 5^\circ$  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.

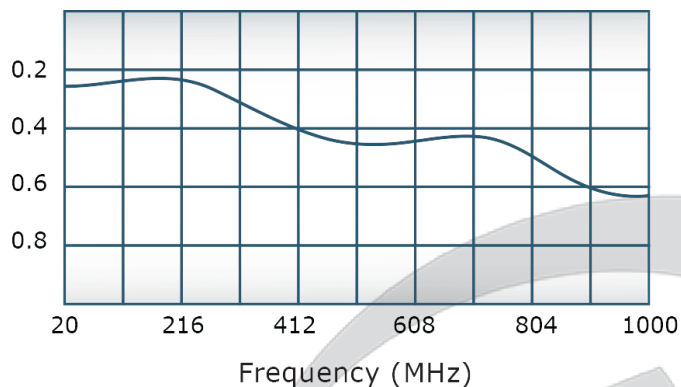


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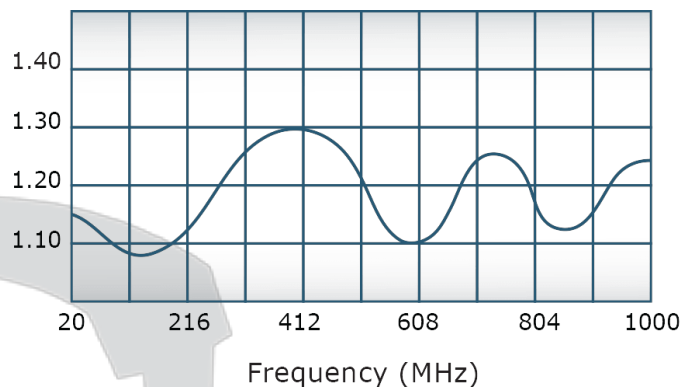
D9075

### Performance Data (Specifications subject to change without notice):

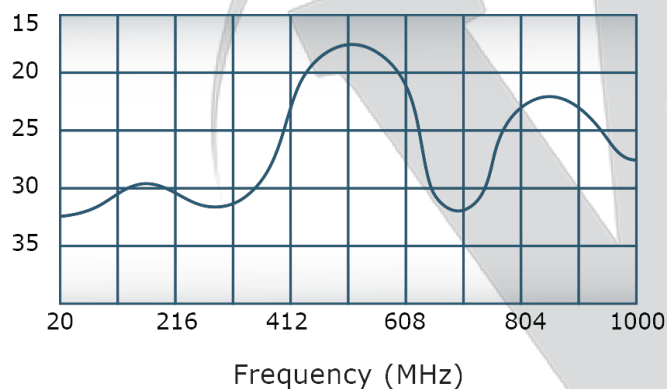
Insertion Loss:



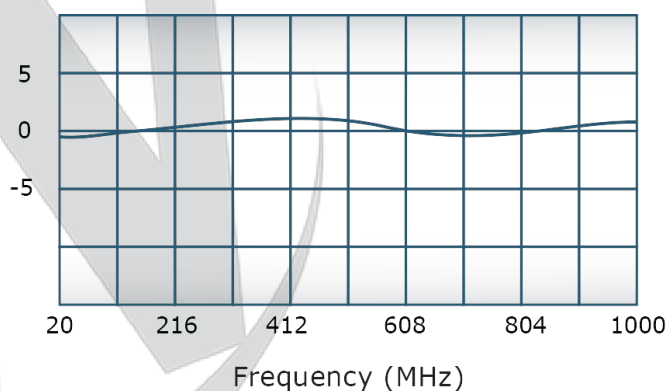
VSWR:



Isolation:

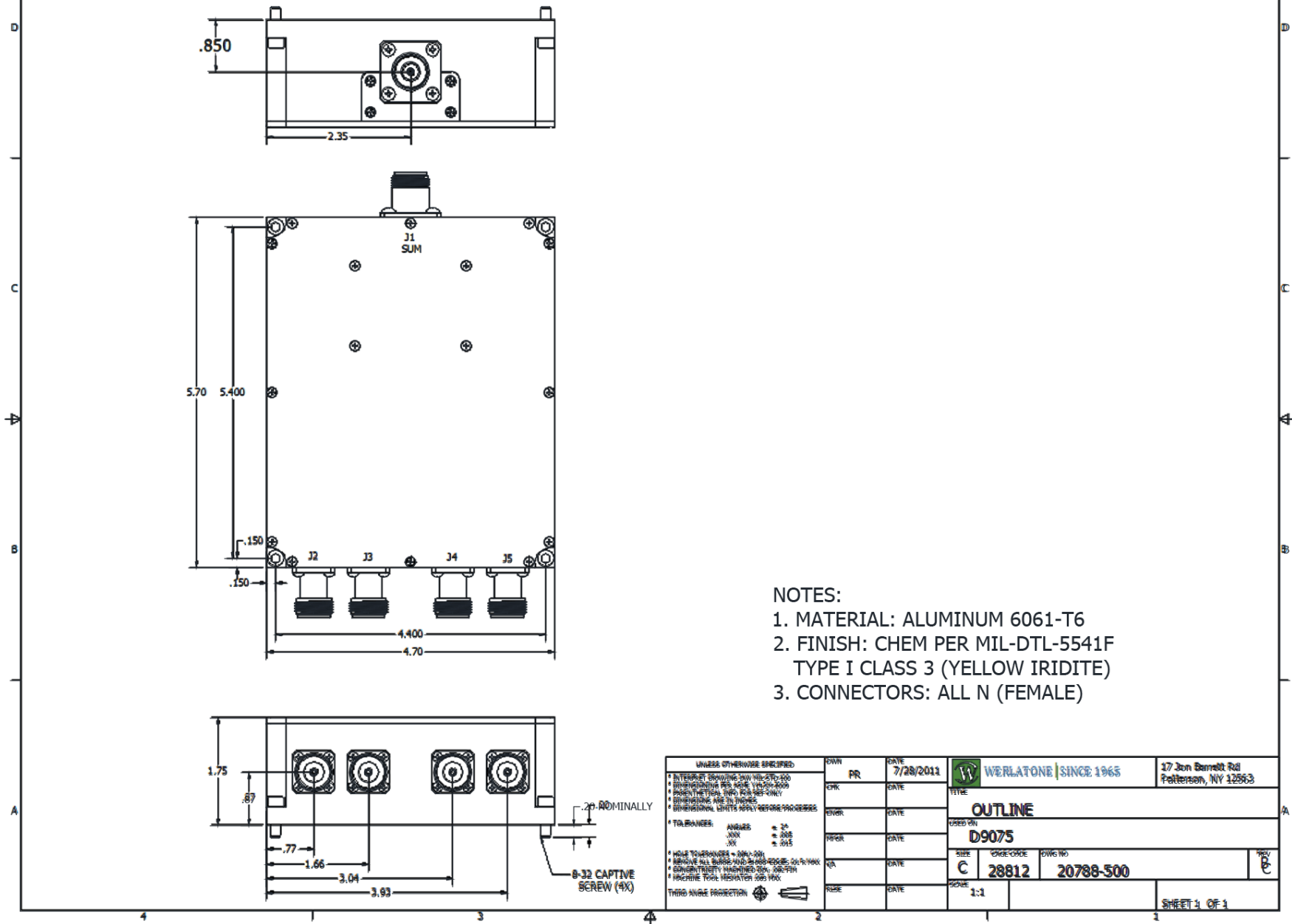


Phase Balance:



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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	PR		
4/16/25	C	10743	JG		



UNLESS OTHERWISE SPECIFIED				DWG NO		DATE		7/28/2011		PR	
* INTERPRET DRAWING PER MIL-STD-100				CHK		DATE					
* DIMENSIONS PER ASME Y14.5M-2009				OVER		DATE					
* DIMENSIONS ARE IN INCHES				DATE							
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSING				DATE							
* TOLERANCES:				DATE							
* HOLE TOLERANCES: .0005-.001				DATE							
* REMOVE ALL BURRS AND SHARP EDGES: 24 R MAX				DATE							
* CONCENTRICITY MAXIMUM .001 IN. OR .001 IN.				DATE							
* MACHINE TOOL FINISH: 200 MAX				DATE							
* THIRD ANGLE PROJECTION				DATE							
				DATE							

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