



## PRODUCT DATA SHEET

**D10854**

**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: 200 - 1000 MHz  
 Power: 1200 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.

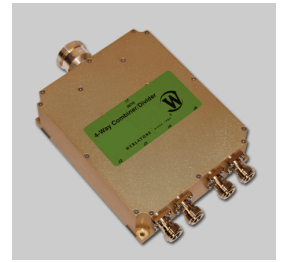
### Mechanical Specifications:

Type: Connectorized  
 Material: Aluminum 6061-T6  
 Surface Finish: Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available  
 Operating Temperature: -55°C to +75°C  
 Storage Temperature: -60°C to +85°C  
 Weight: 4.0 lbs.  
 Size: 5.7 x 4.7 x 1.75"

### Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D10854-10	N Female	N Female
D10854-20	7/16 Female	N Female
D10854-22	7/16 Female	SMA
D10854-41	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.

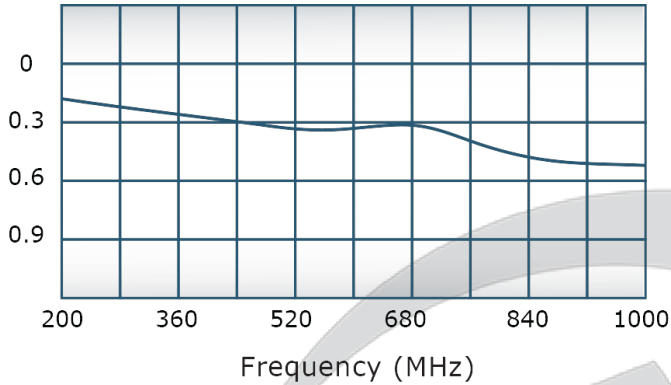


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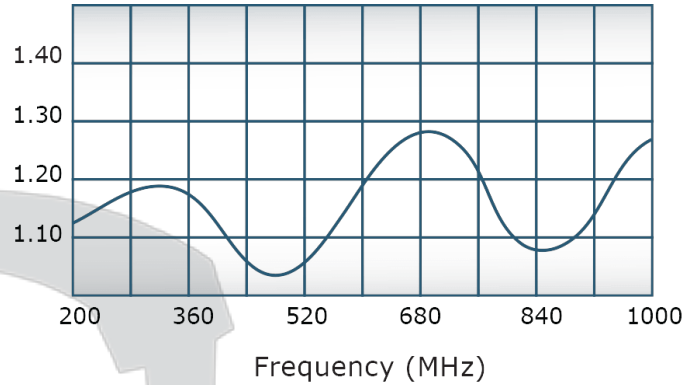
D10854

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

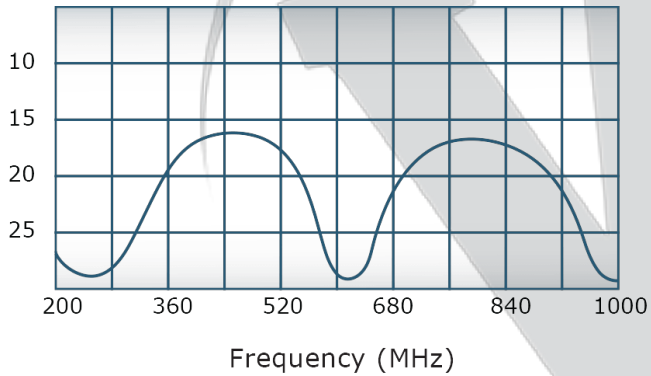
Insertion Loss:



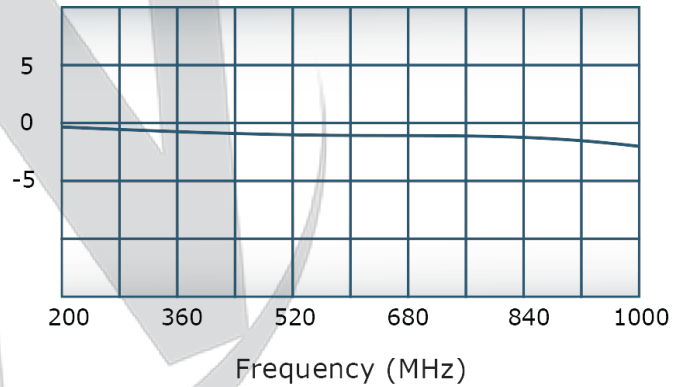
VSWR:



Isolation:



Phase Balance:



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DATE 7/28/11 REV A 3/28/13 12/14/15

REVISION HISTORY  
REVISION RECORD  
AUTH PR  
CHK PR  
APPV PR

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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	 <b>WERLATONE SINCE 1965</b>	17 Jon Barrett Rd Patterson, NY 12563
* INTERIOR DRAWING DATA VERLATONE-000 * DIMENSIONING PER ASME Y14.5M-2009 * MACHINICAL UNID. DIM. REF. ONLY * DIMENSIONS ARE IN INCHES * DIMENSIONAL LIMITS APPLY BEFORE PROCESSING	PR	DATE	<b>OUTLINE</b> D9075	
* TOLERANCES ANGLES            • 2° • .005 • .010	DATE	DATE	SIZE	C 28812 20788-500
* HOLE TOLERANCES - DIA.-.001 * REMOVE ALL BURRS AND SHARP EDGES .015 R MAX * CHAMFER TOP .015 R MAX DIA. .005 R MIN * FINISH: TOOL FINISH DIA. .005 R MAX	DATE	DATE	SCALE	1:1
THIRD ANGLE PROJECTION 	DATE	DATE	SHEET 1 OF 1	

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