

**PRODUCT DATA SHEET**

**D9317**

**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:                        200 W CW  
 Insertion Loss:            0.7 dB Max.  
 VSWR:                        1.40:1 Max.  
 Phase Balance:            ± 5° Max.  
 Amplitude Balance:      0.3 dB Max.  
 Isolation:                    15 dB Min.

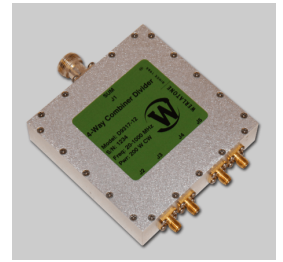
**Mechanical Specifications:**

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:                        15 oz.  
 Size:                            3.76 x 3.76 x 0.9"

**Connector Configurations:**

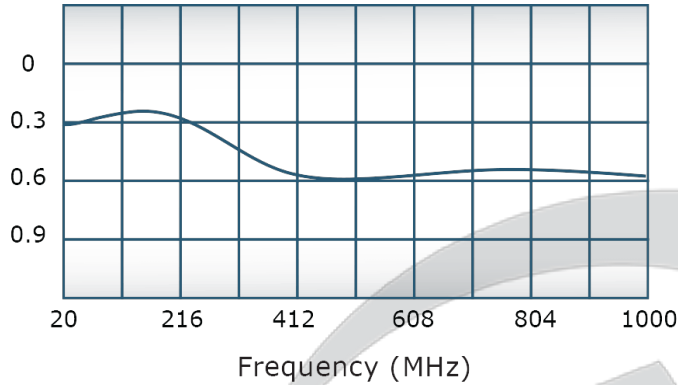
<b>Model</b>	<b>Sum Port (J1)</b>	<b>Input/Output (J2-J5)</b>
D9317-12	N Female	SMA Female

**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.

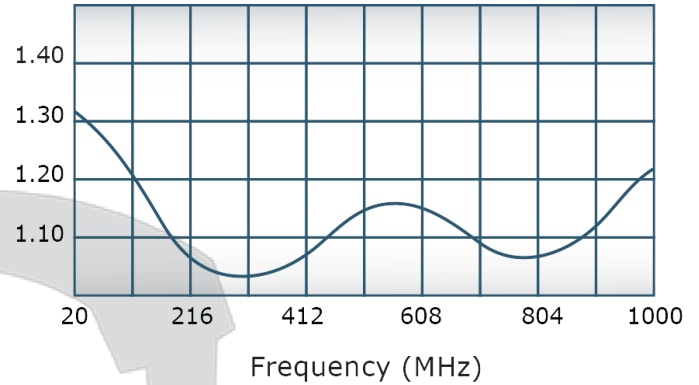


## Performance Data (Specifications subject to change without notice):

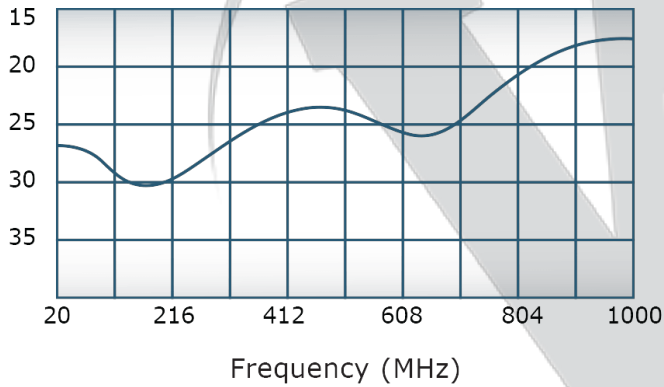
Insertion Loss:



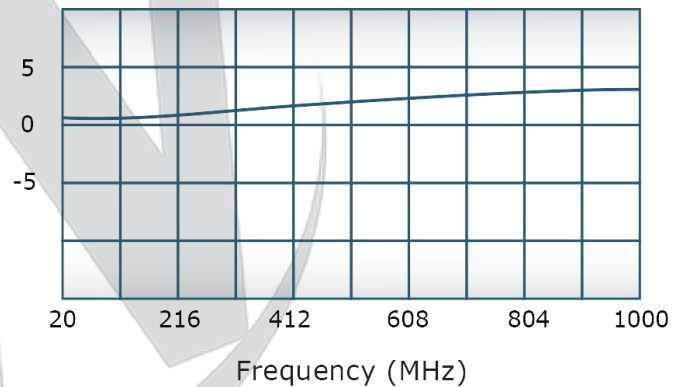
VSWR:



Isolation:

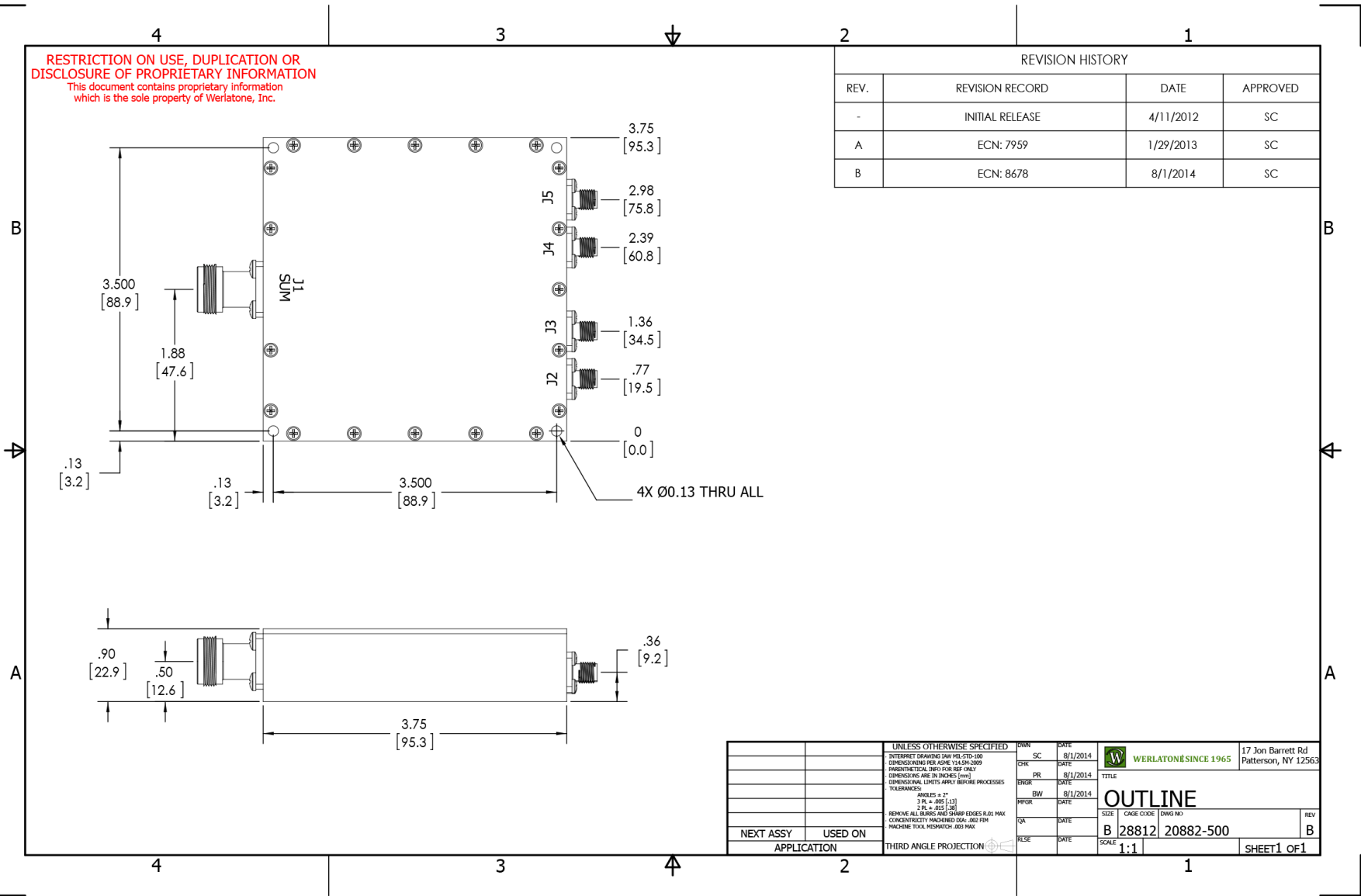



Phase Balance:



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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	4/11/2012	SC
A	ECN: 7959	1/29/2013	SC
B	ECN: 8678	8/1/2014	SC



UNLESS OTHERWISE SPECIFIED		OWN	DATE	 <b>WERLATONE SINCE 1965</b> 17 Jon Barrett Rd Patterson, NY 12563
INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100		CHK	DATE	
DIMENSIONS ARE IN INCHES (mm)		PR	DATE	TITLE
DIMENSIONAL UNITS APPLY BEFORE PROCESSES		ENGR	DATE	SIZE
TOLERANCES:		REV	DATE	CAGE CODE
ANGLES = 3°		DATE	DATE	DWG NO
3 PL ± .005 (13)		DATE	DATE	REV
2 PL ± .015 (38)		DATE	DATE	REV
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		DATE	DATE	REV
CONCENTRICITY FACING Ø.004 - Ø.002 F/M		DATE	DATE	REV
MACHINE TOOL MISMATCH .003 MAX		DATE	DATE	REV
NEXT ASSY	USED ON	SCALE	1:1	28812 20882-500
APPLICATION	THIRD ANGLE PROJECTION	SCALE	1:1	SHEET 1 OF 1

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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