
PRODUCT DATA SHEET
D9335

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:	1 - 1000 MHz
Power:	100 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.

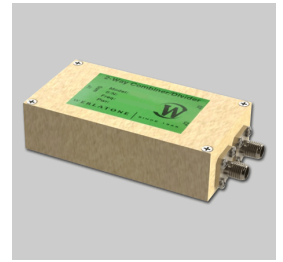
Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	3.0 x 1.6 x 0.8"

Connector Configurations:

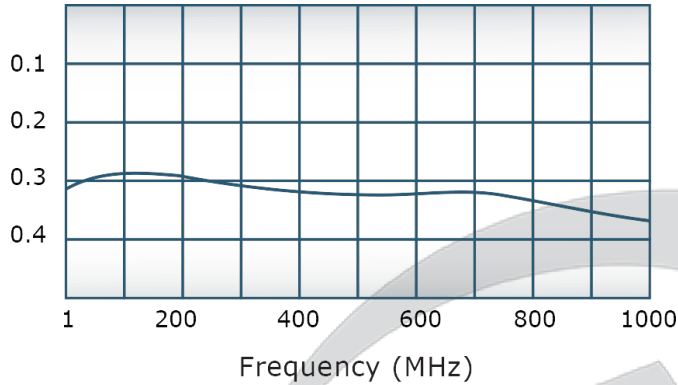
Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D9335-10	N Female	N Female	N Female

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.

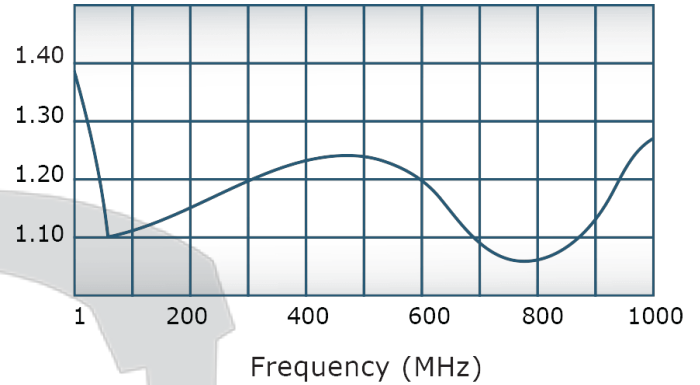


Performance Data (Specifications subject to change without notice):

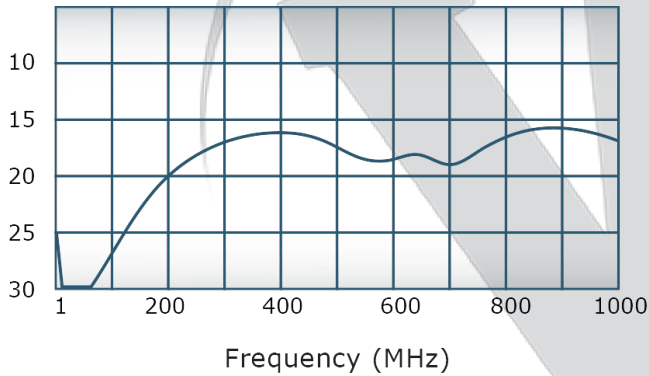
Insertion Loss:



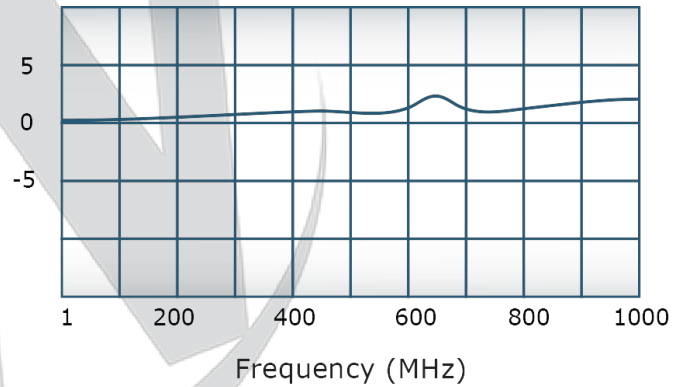
VSWR:



Isolation:

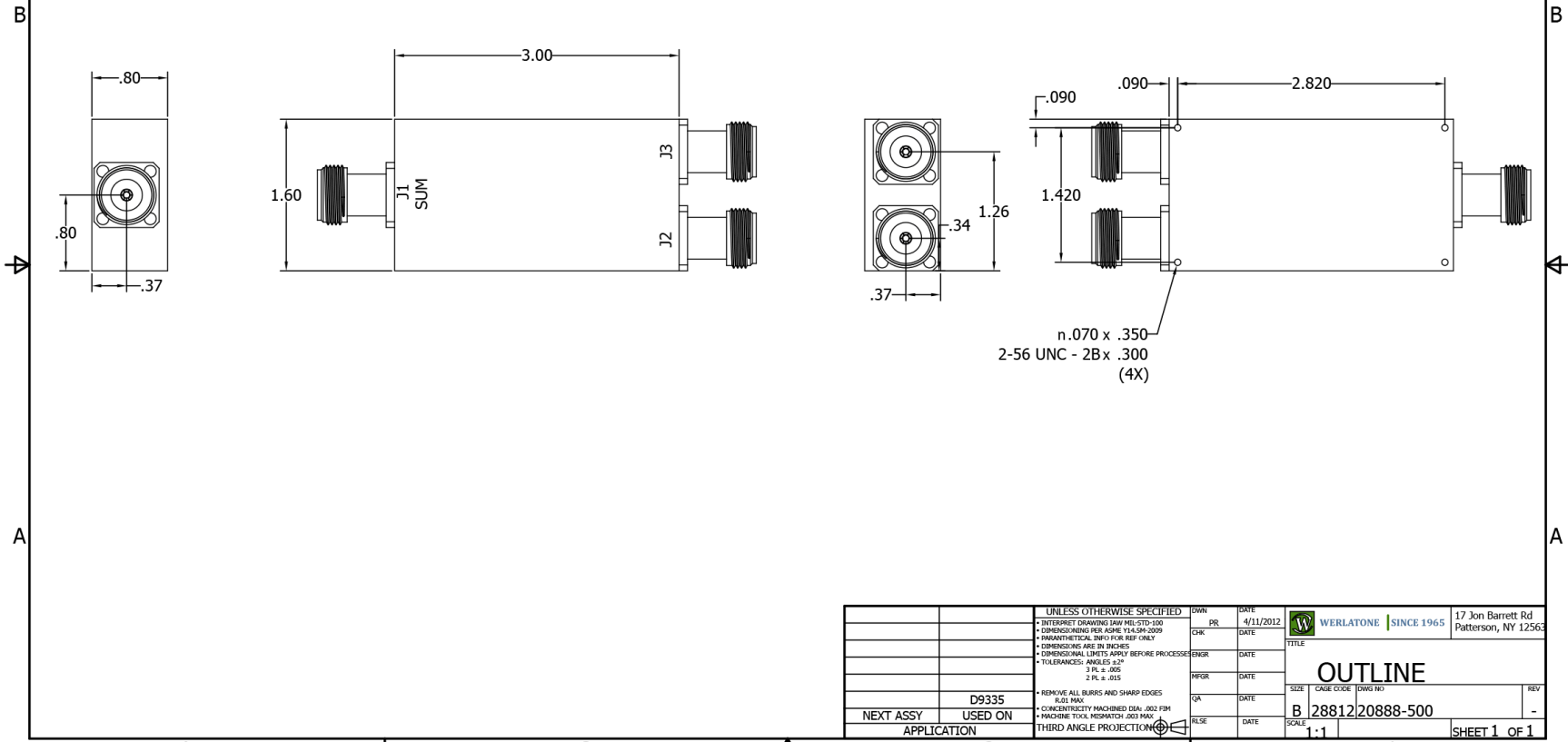


Phase Balance:



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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	4/11/12	



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
• INTERPRET DRAWING LAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • DIMENSIONAL LIMITS APPLY BEFORE PROCESSING • DIMENSIONS ARE IN INCHES • TOLERANCES: ANGLES ±2° 3 PL ± .005 2 PL ± .015		PR	4/11/2012	
• REMOVE ALL BURRS AND SHARP EDGES R1.25 MAX • CONCENTRICITY MACHINED DIA: .002 F3M • MACHINE TOOL MISMATCH .003 MAX THIRD ANGLE PROJECTION		CHK	DATE	TITLE
NEXT ASSY USED ON		ENGR	DATE	OUTLINE
APPLICATION		MPGR	DATE	SIZE CASE CODE DWG NO
		QA	DATE	B 2881220888-500
		RLSE	DATE	SCALE 1:1
				REV -
				SHEET 1 OF 1

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