

## PRODUCT DATA SHEET

D7439

**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:	250 W CW
Insertion Loss:	0.75 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.3 dB Max.
Isolation:	18 dB Min.

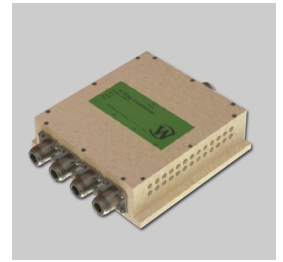
### Mechanical Specifications:

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:	2.5 lbs.
Size:	5.0 x 5.1 x 1.5"

### Connector Configurations:

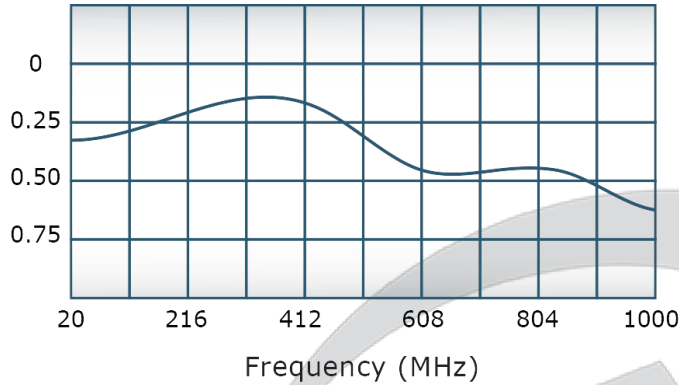
Model	Sum Port (J5)	Input/Output (J1-J4)
D7439-10	N Female	N Female
D7439-12	N Female	SMA Female

**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.

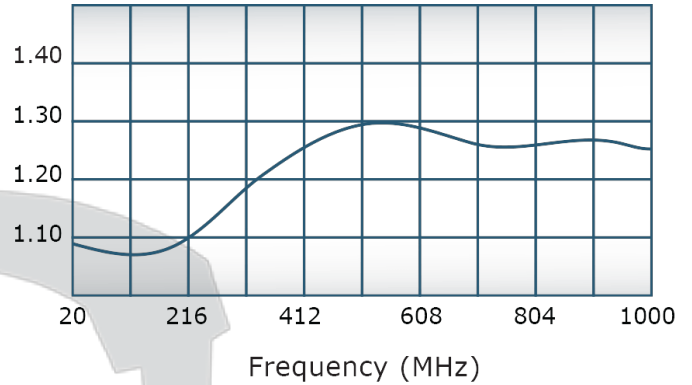


## Performance Data (Specifications subject to change without notice):

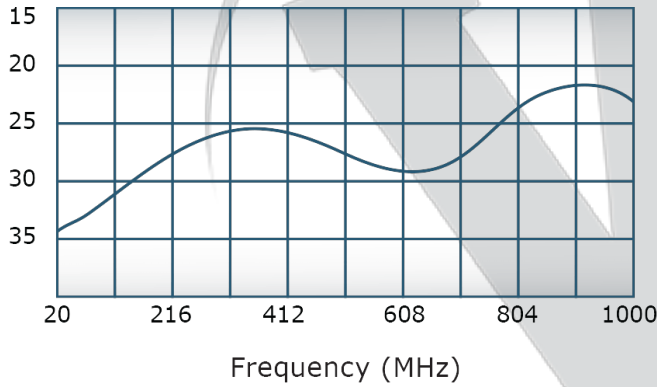
Insertion Loss:



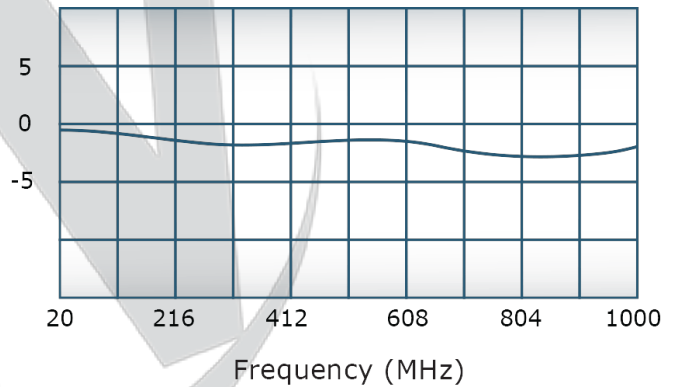
VSWR:



Isolation:

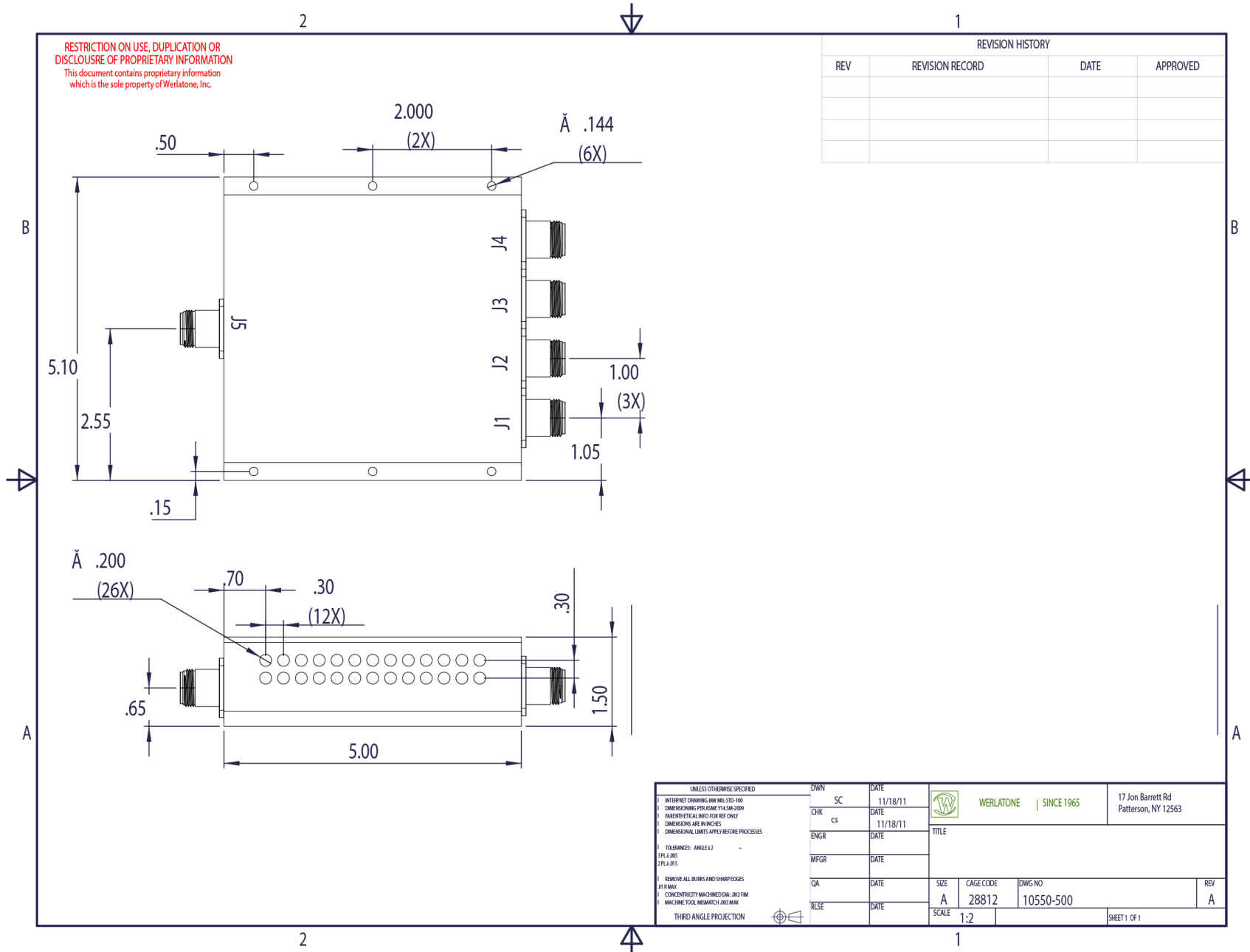


Phase Balance:



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REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED



<small>UNLESS OTHERWISE SPECIFIED</small> INTERPRET DRAWING IN ACCORDANCE WITH: DIMENSIONING PER ASME Y14.5M-2009 PARENTHETICAL INFO FOR REF ONLY DIMENSIONS ARE IN INCHES DIMENSIONAL LIMITS APPLY BEFORE PROCESSES TOLERANCES: ANGLE ±2 2PL ±.005 2PL ±.015 REMOVE ALL BURRS AND SHARP EDGES AS FMAX CONCENTRICITY MACHINED DIA: .002 FIM MACHINE TOOL DIMENACT: .001 MAX THIRD ANGLE PROJECTION	DWN	DATE	<b>WERLATONE</b>   SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563
	SC	11/18/11	TITLE		
	CHK	DATE	TITLE		
	CS	11/18/11	TITLE		
ENGR	DATE	SIZE	CAGE CODE	DWG NO	REV
MFGR	DATE	A	28812	10550-500	A
QA	DATE	SCALE		SHEET 1 OF 1	
RLSE	DATE	1:2			

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