



## PRODUCT DATA SHEET

D9079

**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: 10 - 165 MHz  
Power: 800 W CW  
Insertion Loss: 0.65 dB Max.  
VSWR: 1.50:1 Max.  
Phase Balance: ± 5° Max.  
Amplitude Balance: 0.35 dB Max.  
Isolation: 20 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  
Size: 17.0 x 7.0 x 2.25"

### Connector Configurations:

Model	Sum Port (J9)	Inputs (J1-J8)
D9079-10	N Female	N Female
D9079-12	N Female	SMA

**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.

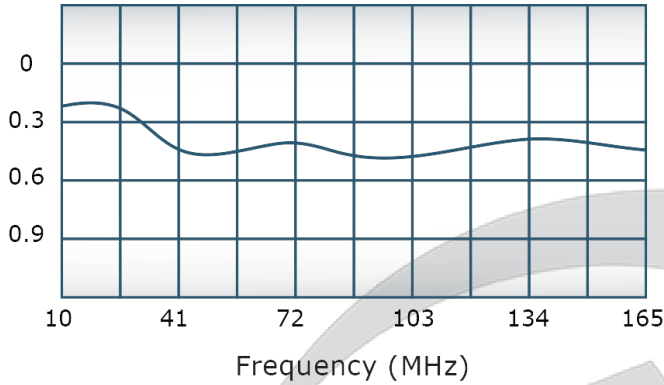
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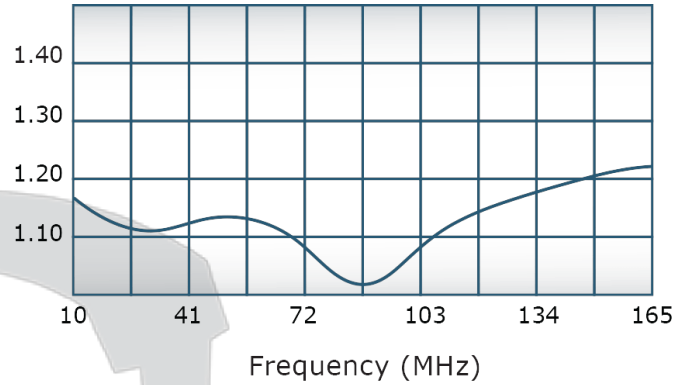


## Performance Data (Specifications subject to change without notice):

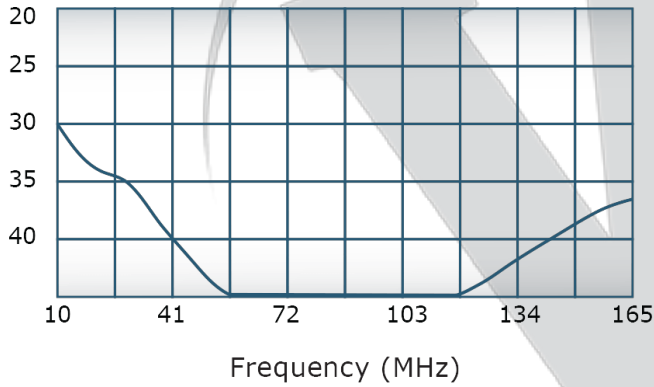
Insertion Loss:



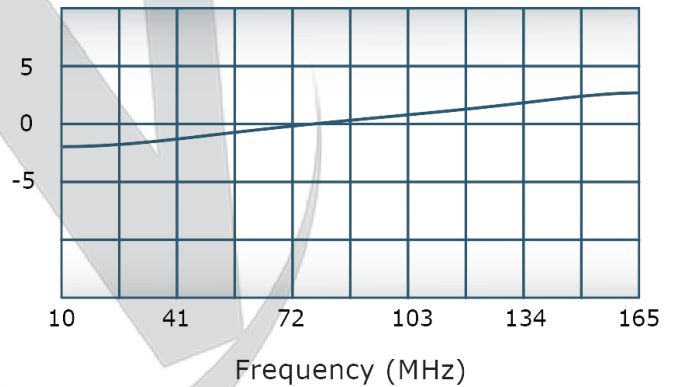
VSWR:



Isolation:



Phase Balance:



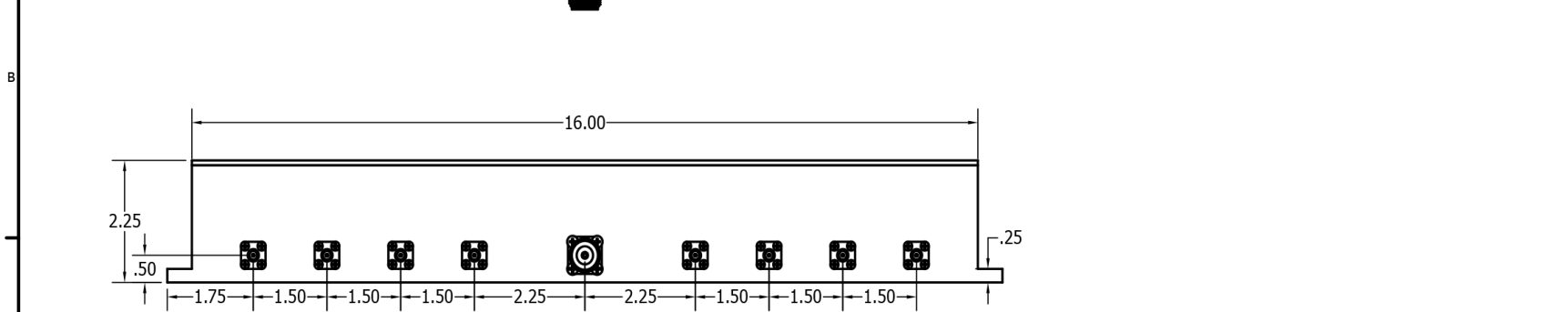
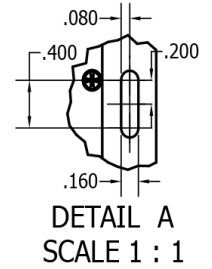
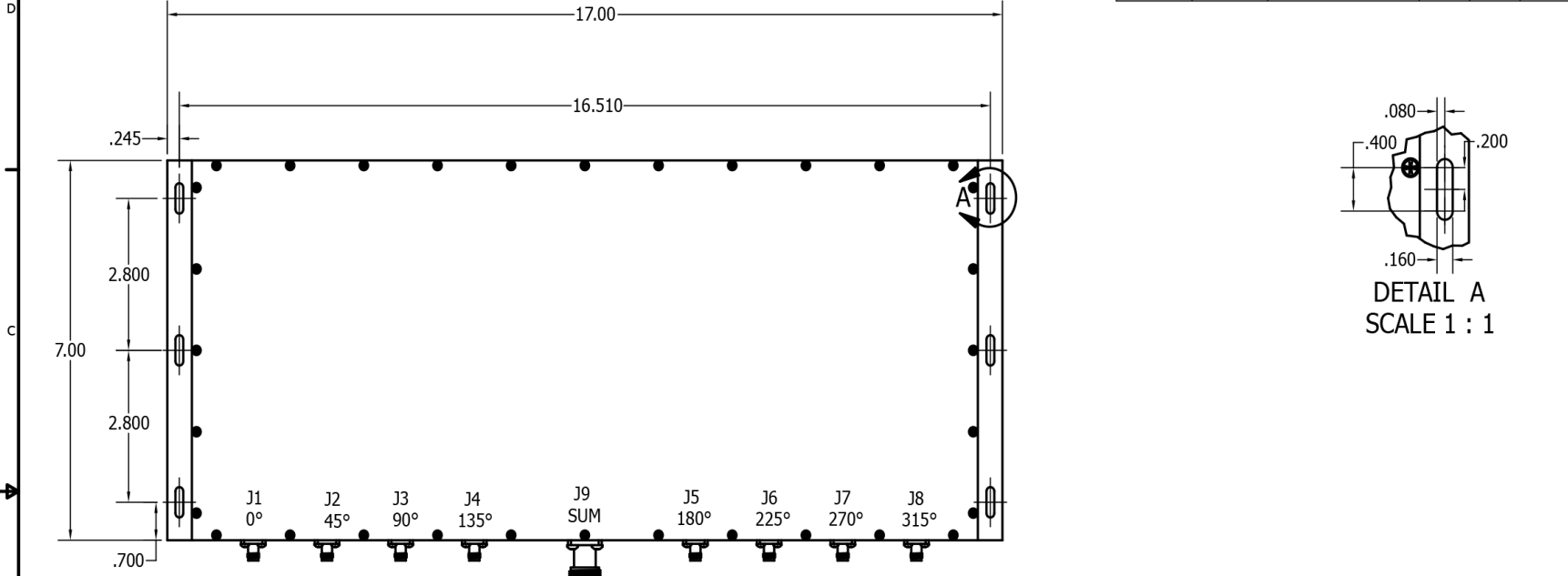
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REVISION HISTORY						
DATE	REV	REVISION RECORD	AUTH	CHK	APPV	
12/9/10	-	PRE RELEASE	PR	GP		



UNLESS OTHERWISE SPECIFIED				DWN	DATE	WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
* INTERPRET DRAWING IAW MIL-STD-100				PR	12/8/2010				
* DIMENSIONING PER ASME Y14.5M-2009				CHK					
* PARENTHETICAL INFO FOR REF ONLY				GP	12/9/2010				
* DIMENSIONS ARE IN INCHES				ENGR		TITLE OUTLINE			
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES				MFR		USED ON D8745			
* TOLERANCES:				QA		SIZE	CAGE CODE	DWG NO	REV
ANGLES ± 2°				RLSE		C	28812	20704-500	-
XXX ± .005						SCALE 1/2			
XX ± .01						SHEET 1 OF 1			
* HOLE TOLERANCES +.004/-001									
THIRD ANGLE PROJECTION									

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