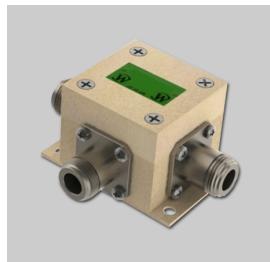




# WERLATONE

Model D2542

Combiners In-Phase Connectorized



## PRODUCT DATA SHEET

D2542

**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

Custom Designs Available

### Electrical Specifications:

Frequency: 120 - 470 MHz  
Power: 100 W CW  
Insertion Loss: 0.3 dB Max.  
VSWR: 1.35:1 Max.  
Phase Balance:  $\pm 5^\circ$  Max.  
Amplitude Balance: 0.15 dB Max.  
Isolation: Non-Isolated

### 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: 5 oz.  
Size: 2.5 x 1.75 x 1.5"

### Connector Configurations:

**Model**  
D2542-10

**Sum Port (J1)**  
N Female

**Input/Output (J2)**  
N Female

**Input/Output (J3)**  
N Female

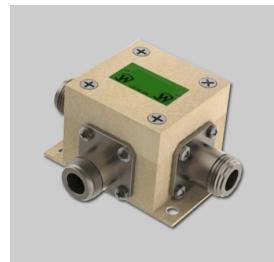
**When specified, Werlatone® High Power Combiners and RF Dividers** will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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.



# WERLATONE

Model D2542

Combiners In-Phase Connectorized

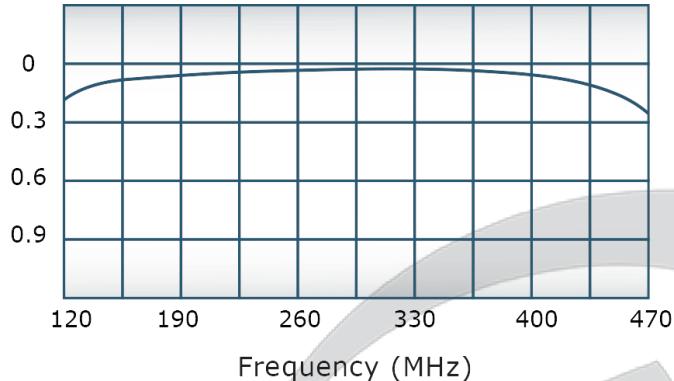


## PRODUCT DATA SHEET

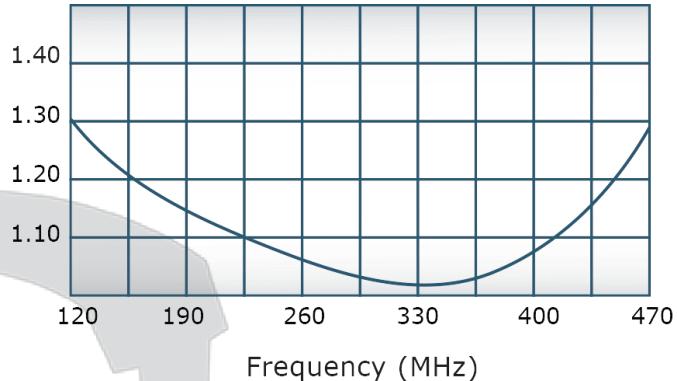
D2542

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

Insertion Loss:



VSWR:

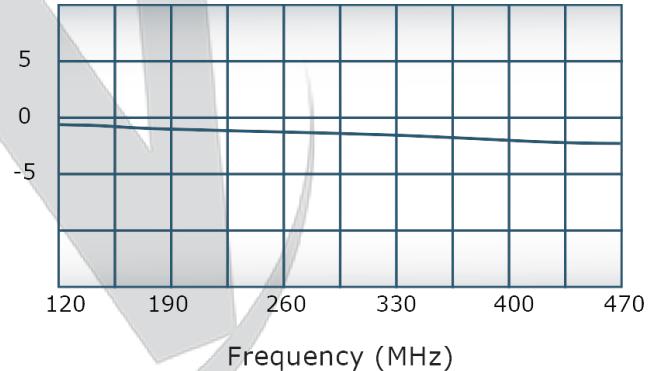


For In-Building Applications:



For In-Building Applications

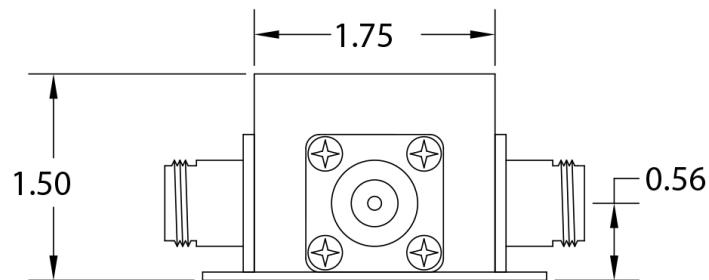
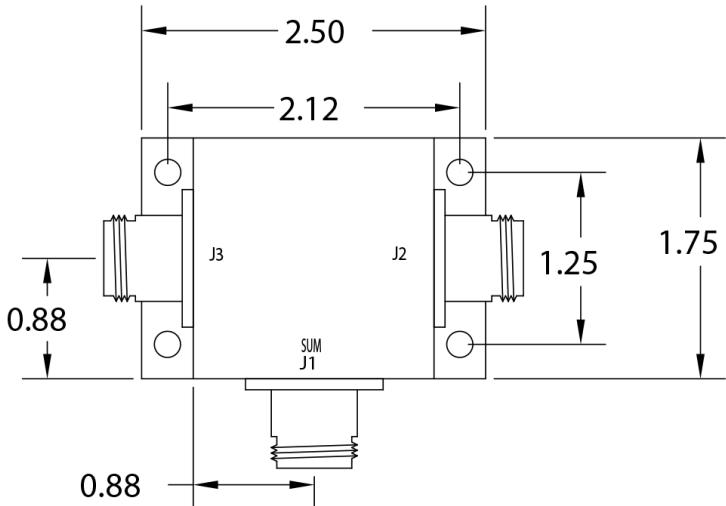
Phase Balance:



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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

DATE	SYM	REVISION RECORD	AUTH	DR	CK



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