



## PRODUCT DATA SHEET

H7877

**Werlatone®** High Power 180° RF Hybrid Combiners/Dividers balance traditional technologies with disruptive microwave techniques. The outcome is a microwave component which provides an order of magnitude improvement over current capabilities. Our newest line of high power, patented 180° RF Hybrid Combiners/Dividers provides an incredible 5:1 bandwidth, while exhibiting exceptionally low loss and superior port-to-port isolation.

### Features:

High Power      Wide Bandwidths      Small Size      Excellent Amplitude Balance

### Electrical Specifications:

Frequency: 400 - 2000 MHz  
Power: 350 W CW \*  
Insertion Loss: 0.5 dB Max.  
VSWR: 1.40:1 Max.  
Phase Balance:  $180^\circ \pm 5^\circ$  Max.  
Amplitude Balance:  $\pm 0.3$  dB Max.  
Isolation: 20 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: 14 oz.  
Size: 4.5 x 2.65 x 1.2"

### Connector Configurations:

Model	Sum Port (J4)	Inputs (J2,J3)	Diff. Port (J1)
H7877-10	N Female	N Female	N Female
H7877-12	N Female	SMA	SMA
H7877-102	SMA	SMA	SMA

**POWER SPECIFICATION:** \* 350 W CW with maximum baseplate temperature of  $\leq +70^\circ\text{C}$  300 W CW with maximum baseplate temperature of  $\leq +85^\circ\text{C}$



# WERLATONE

Model H7877

180° Hybrids Connectorized

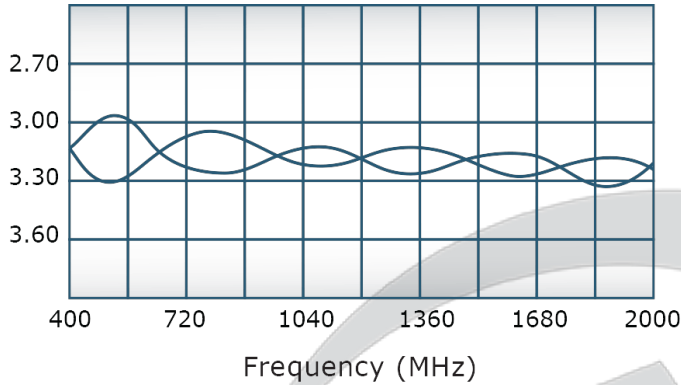


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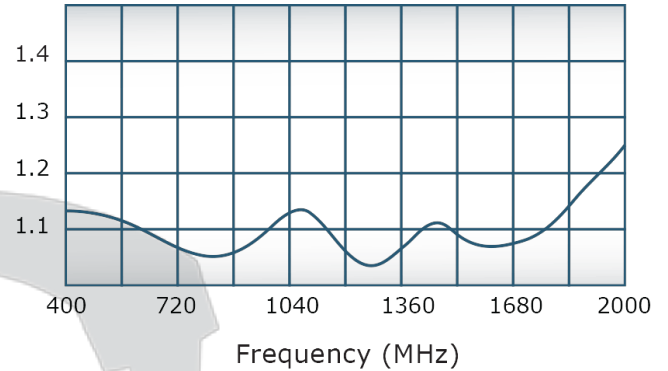
H7877

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

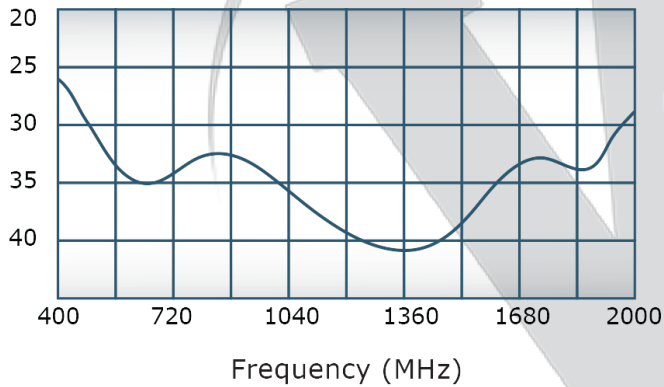
Insertion Loss:



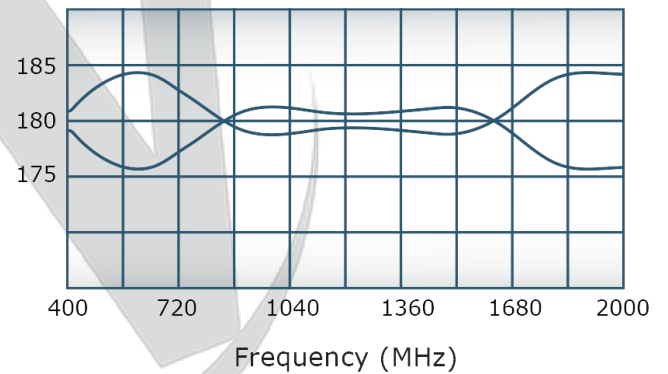
VSWR:



Isolation:

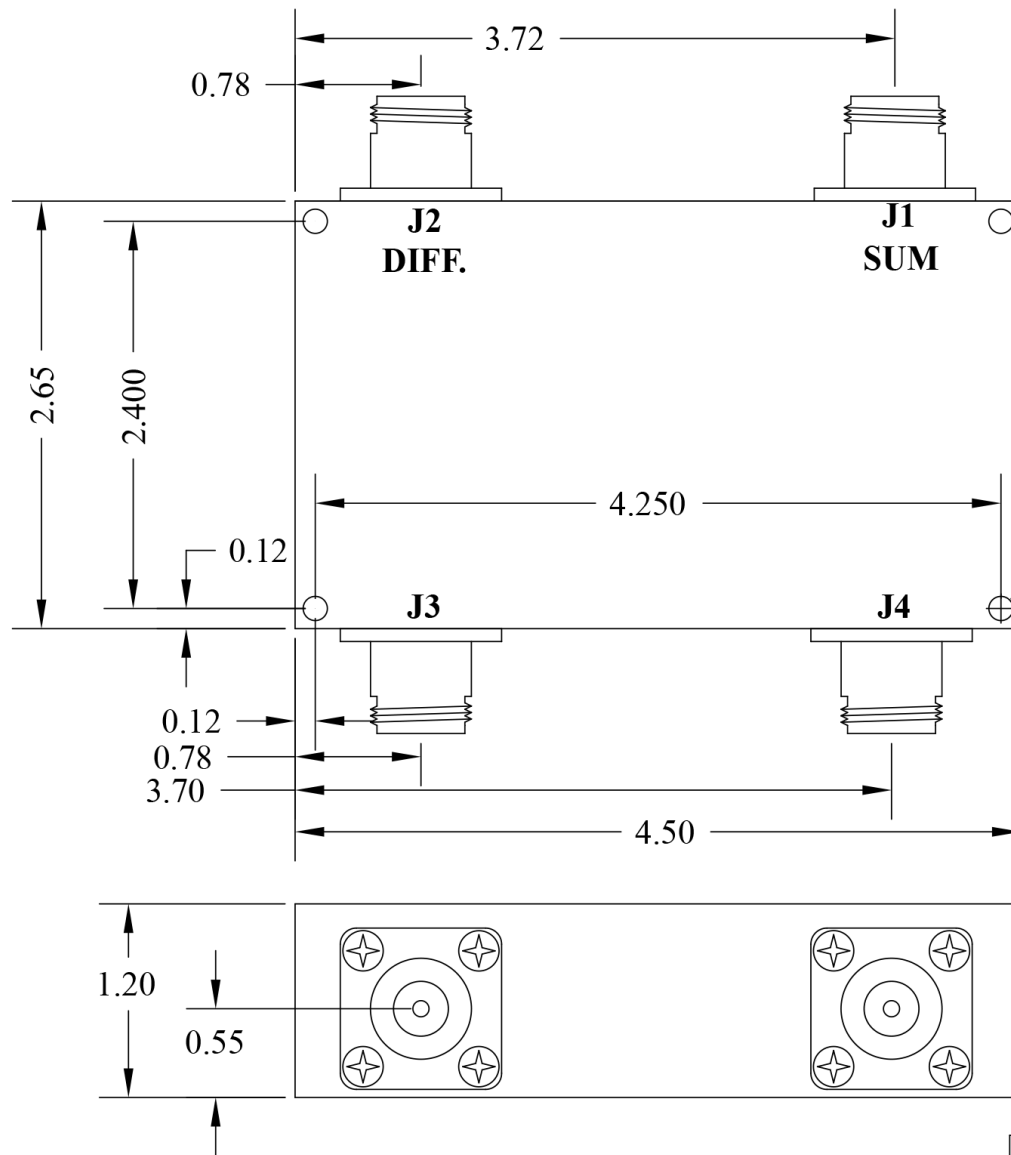


Phase Balance:



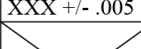
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