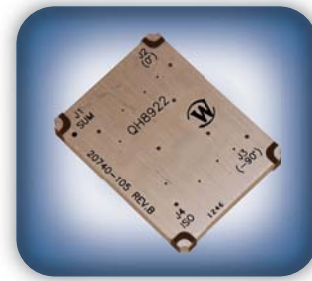




**DECADES AHEAD<sup>®</sup>**  
high power RF devices

**Werlatone<sup>®</sup>, Inc.**

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F (845) 278 3440      sales@werlatone.com



## 90° Hybrid Coupler

### Model QH8922

Frequency: 150 - 2000 MHz

Power: 100 W CW

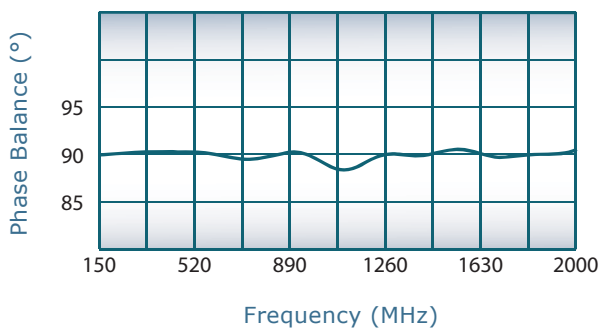
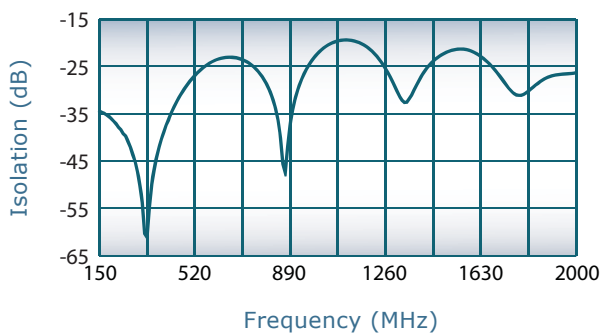
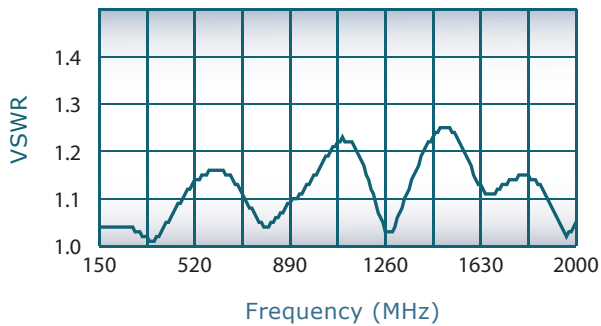
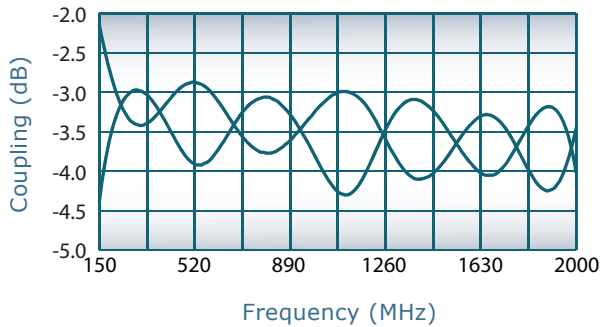
Insertion Loss: 0.75 dB Max.

VSWR: 1.40:1 Max.

Isolation: 17 dB Min.

Phase Balance:  $\pm 5^\circ$  Max.

Amplitude Balance:  $\pm 1.0$  dB Max.  
 $\pm 1.2$  dB Max. (150-2000 MHz)



#### Notes

- All specifications guaranteed
- Test data provided with each unit shipped
- Surface Mount Design
- Surface Finish Options: QH8922-Ag: Immersion Silver (RoHS)  
QH8922-Au: ENIG (RoHS)  
QH8922-Pb: Electrodeposited Tin/Lead

[View Audiovisual Presentation](#)

#### Port Configurations

J1	J2	J3	J4
Sum ( $\Sigma$ )	-3 dB $\angle \theta$	-3 dB $\angle \theta - 90$	Isolated ( $\Delta$ )
-3 dB $\angle \theta$	Sum ( $\Sigma$ )	Isolated ( $\Delta$ )	-3 dB $\angle \theta - 90$
-3 dB $\angle \theta - 90$	Isolated ( $\Delta$ )	Sum ( $\Sigma$ )	-3 dB $\angle \theta$
Isolated ( $\Delta$ )	-3 dB $\angle \theta - 90$	-3 dB $\angle \theta$	Sum ( $\Sigma$ )

