



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

**Werlatone<sup>®</sup>, Inc.**

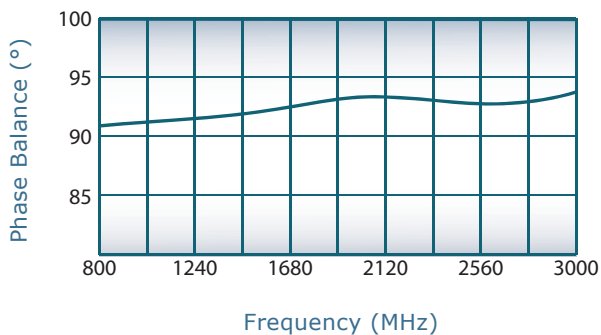
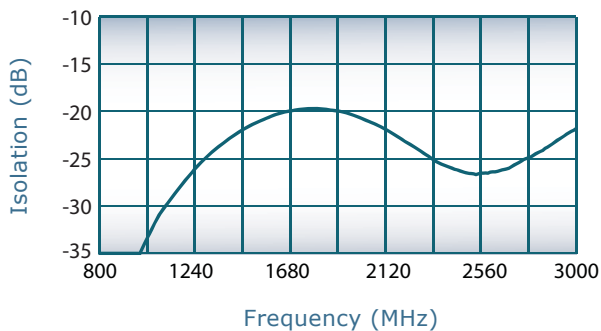
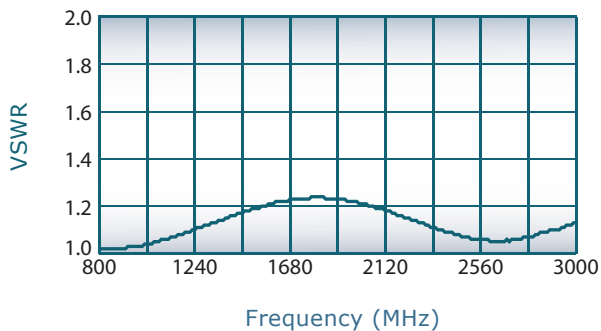
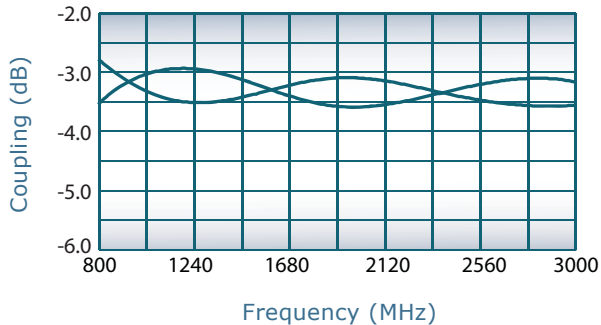
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**90° Hybrid Coupler**

**Model QH7741**

Frequency:	800 - 3000 MHz
Power:	200 W CW
Insertion Loss:	0.3 dB Max.
VSWR:	1.40:1 Max.
Isolation (Ports J2-J3):	18 dB Min.
Phase Balance:	± 5° Max.
Amplitude Balance:	± 0.45 dB Max.



**Notes**

- All specifications guaranteed
- Test data provided with each unit shipped
- Non-Connectorized
- Surface Finish Options: QH7741-Ag: Immersion Silver (RoHS)  
QH7741-Au: ENIG (RoHS)  
QH7741-Pb: Electrodeposited Tin/Lead  
QH7741-Sn: Immersion Tin (RoHS)

**Port Configurations**

J1	J2	J3	J4
Sum (Σ)	-3 dB ∠ θ	-3 dB ∠ θ -90	Isolated (Δ)
-3 dB ∠ θ	Sum (Σ)	Isolated (Δ)	-3 dB ∠ θ -90
-3 dB ∠ θ -90	Isolated (Δ)	Sum (Σ)	-3 dB ∠ θ
Isolated (Δ)	-3 dB ∠ θ -90	-3 dB ∠ θ	Sum (Σ)

