



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

**Werlatone<sup>®</sup>, Inc.**

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**90° Hybrid Coupler**

**Model QH9496**

Frequency:	200 - 500 MHz
Power:	200 W CW
Insertion Loss:	0.4 dB Max.
VSWR:	1.25:1 Max.
Isolation:	25 dB Min.
Phase Balance:	± 5° Max
Amplitude Balance:	± 0.4 dB Max.

**Notes**

- All specifications guaranteed
- Test data provided with each unit shipped
- Drop-In or Tab Interface
- RF Lead Material: 99.95% pure silver 0.005 thick. Lead is resistance welded to exposed copper stripline trace
- Top / Bottom Surface 0.0025 (±0.02) Electrodeposited Copper
- Surface Finish Options: QH9496-Ag: Immersion Silver (RoHS)  
QH9496-Au: ENIG (RoHS)  
QH9496-Pb: Electrodeposited Tin/Lead

**Port Configurations**

Input	Output	J1	J2	J3	J4
J1	---	Isolated	-3 dB, 0°	-3 dB, -90°	-3 dB, -90°
J2	Isolated	---	-3 dB, -90°	-3 dB, 0°	-3 dB, 0°
J3	-3 dB, 0°	-3 dB, -90°	---	Isolated	Isolated
J4	-3 dB, -90°	-3 dB, 0°	Isolated	---	---

