
**PRODUCT DATA SHEET**
**QH7741**
**Our patented 3 dB 90° Hybrid Couplers provide:**

- Superior component performance starting at 3:1 Bandwidth.
- Thicker center boards for high power and increased repeatability.
- Bonded structures which eliminate any air gaps between substrates.
- More sections per bandwidth for better coupling flatness.
- Electrically shorter and physically smaller RF components.

**Features:**

High Power      Wide Bandwidths      Small Size      Excellent Amplitude Balance

**Electrical Specifications:**

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

**Mechanical Specifications:**

Type:	Surface Mount
Plating Options:	QH7741-Sn: Immersion Tin (RoHS) QH7741-Ag: Immersion Silver (RoHS) QH7741-Au: ENIG (RoHS)
Size:	1.35 x 0.65 x 0.091"

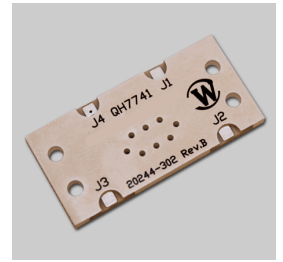
**Port Configurations:**

<b>J1</b>	<b>J2</b>	<b>J3</b>	<b>J4</b>
Input	-3 dB, 0°	-3 dB, -90°	Isolated
-3 dB, 0°	Input	Isolated	-3 dB, -90°
-3 dB, -90°	Isolated	Input	-3 dB, 0°
Isolated	-3 dB, -90°	-3 dB, 0°	Input

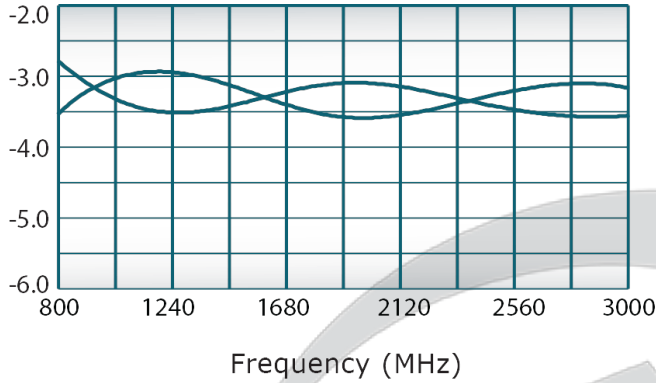
**Werlatone's** breakthrough technology allows us to build our existing line of Broadband 3 dB High Power 90° Hybrid Couplers. Connectorized 3 dB 90° Hybrid Coupler models are available with a choice of connectors. Several of our existing High Power 3 dB 90° RF Couplers are three port designs, wherein the difference port is internally terminated with a high power termination. This eliminates the need for a customer supplied external load for each Hybrid Coupler.

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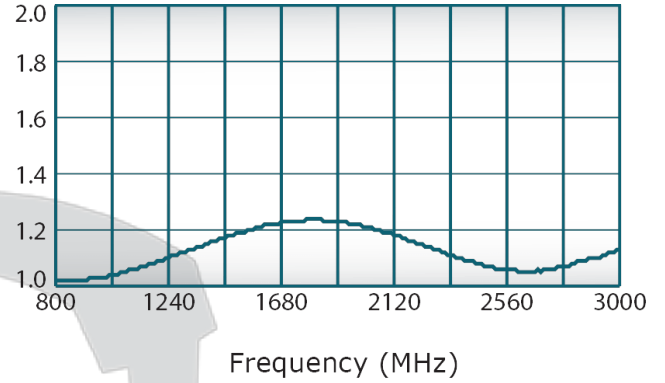
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com


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

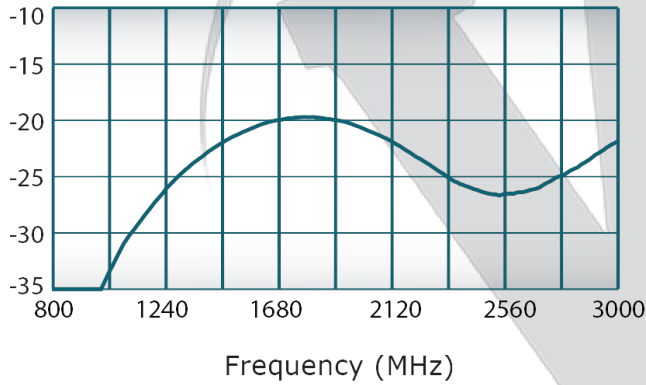
Coupling:



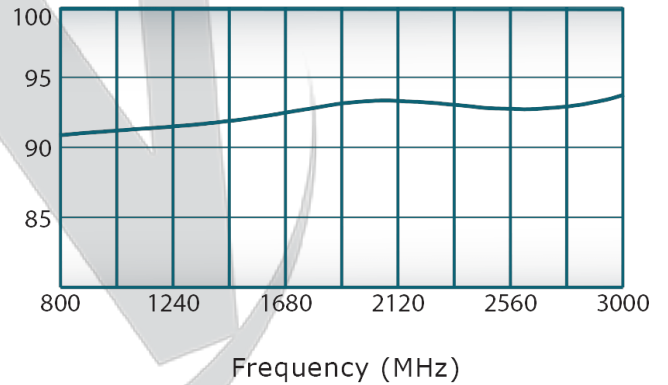
VSWR:



Isolation:



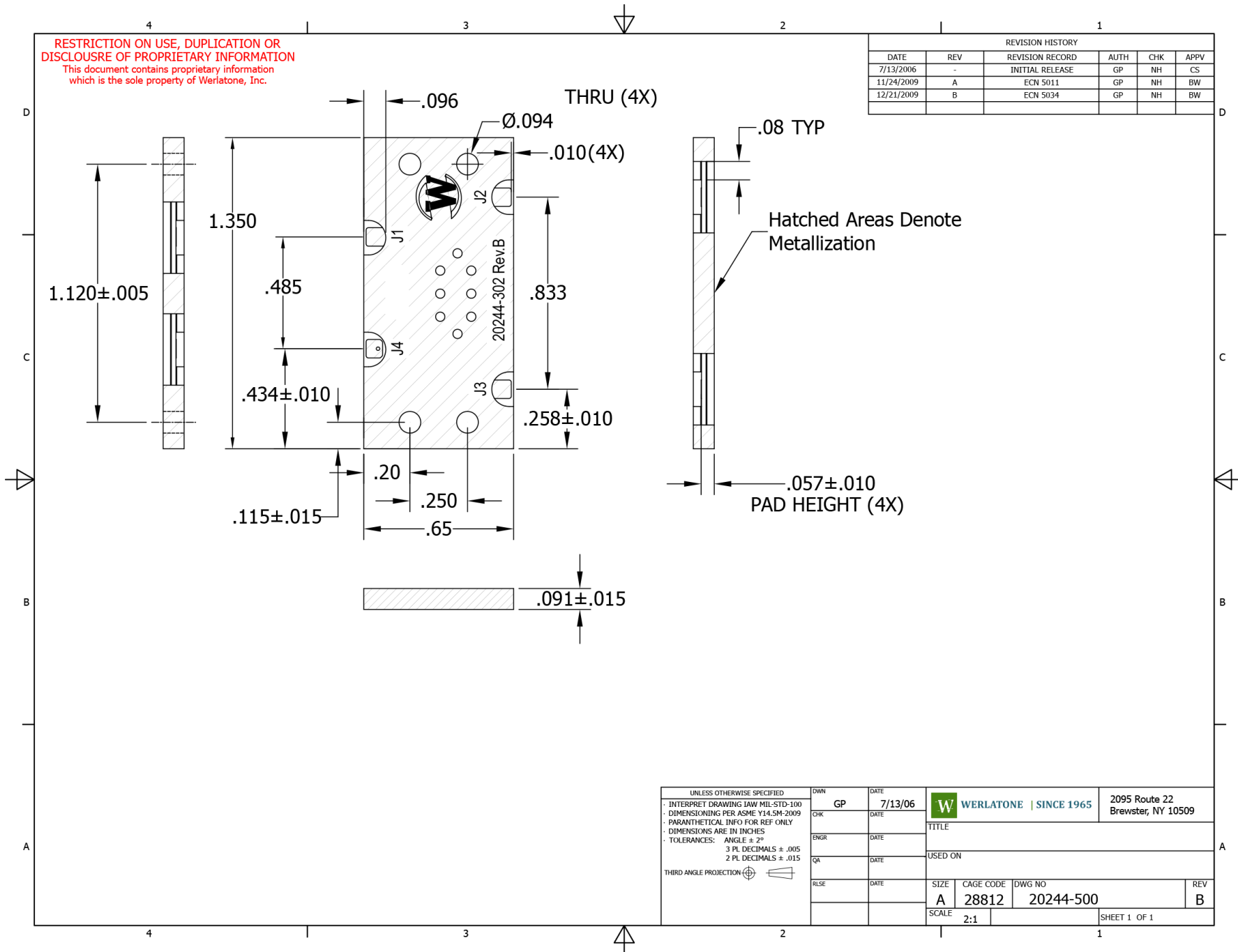
Phase Balance:



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