
**PRODUCT DATA SHEET**
**QH6308**
**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      Connectorized      Drop-In &amp; Surface Mount

**Electrical Specifications:**

Frequency:	100 - 500 MHz
Power:	25 W CW
Insertion Loss:	0.6 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	90° ± 10° Max.
Amplitude Balance:	± 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:	0.5 lbs.
Size:	4.0 x 2.0 x 1.5"

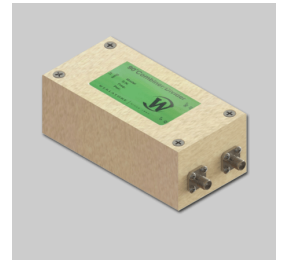
**Connector Configurations:**

Model	Sum Port (J1)	Inputs (J2,J3)
QH6308-10	N Female	N Female
QH6308-12	N Female	SMA
QH6308-13	N Female	BNC
QH6308-102	SMA Female	SMA

**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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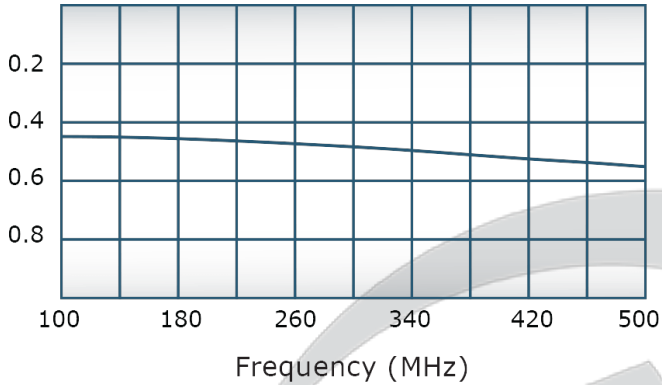


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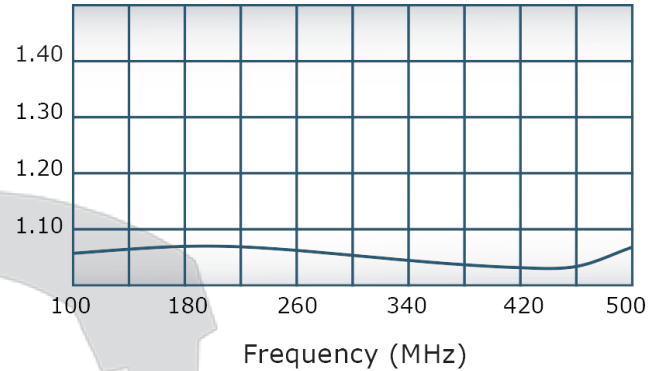
QH6308

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

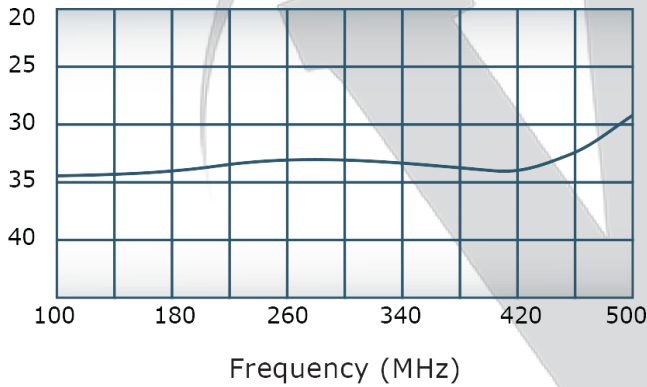
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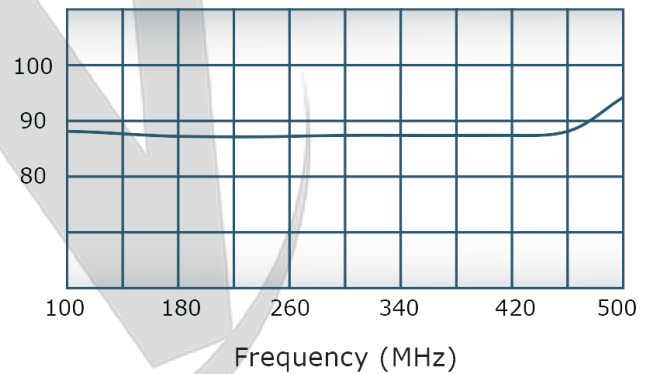
VSWR:



Isolation:



Phase Balance:

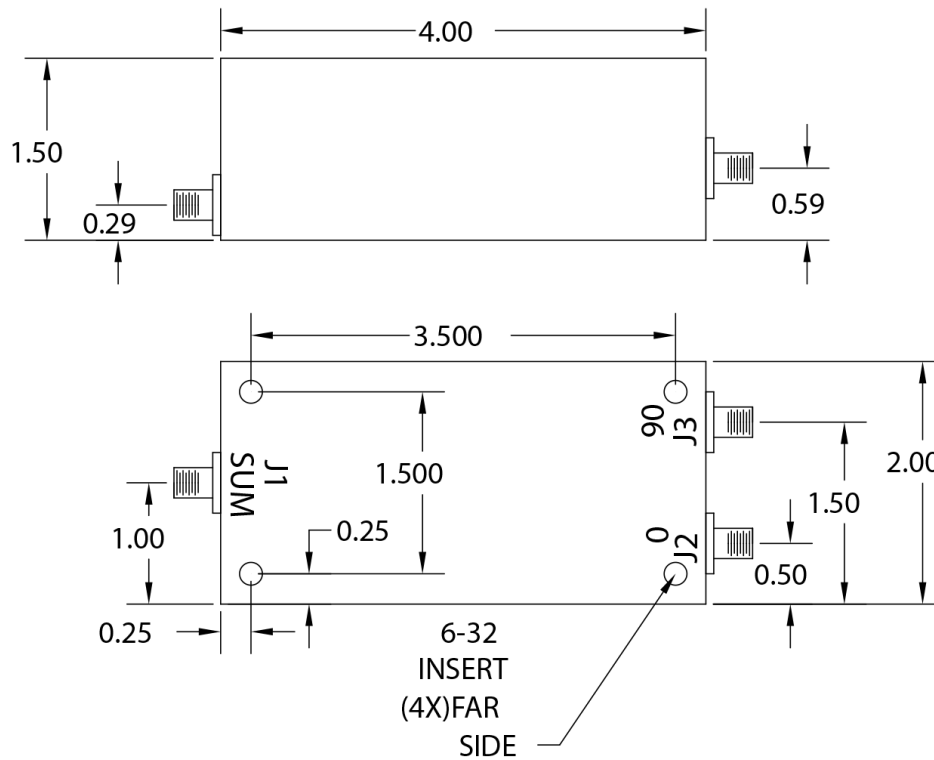


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DATE	SYM	REVISION RECORD	AUTH	DR	CK



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XX +/- .015 XXX +/- .005	SCALE	DRAWN BY:	RH
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	DATE 4/8/04	DRAWING NUMBER	10624-500

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