

PRODUCT DATA SHEET QH6313

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 & Surface Mount

Electrical Specifications:

10 - 150 MHz Frequency: 250 W CW Power: Insertion Loss: 0.6 dB Max. VSWR: 1.30:1 Max. Phase Balance: 90° <u>+</u> 5° Max. Amplitude Balance: <u>+</u> 0.3 dB Max. 20 dB Min. Isolation:

Mechanical Specifications:

Connectorized Type: 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 -60°C to +85°C Storage Temperature: Weight: 3 lbs.

5.5 x 4.75 x 1.75" Size:

Connector Configurations:

Model	Sum Port (J1)	Inputs (J2,J3)	Ext. Load Port
QH6313-10	N Female	N Female	Not Applicable
QH6313-12	N Female	SMA	Not Applicable
QH6313-13	N Female	BNC	Not Applicable
QH6313-102	SMA	SMA	Not Applicable

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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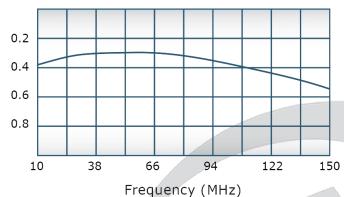


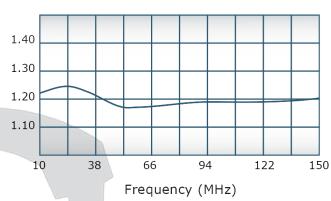


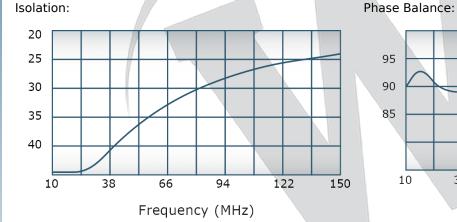
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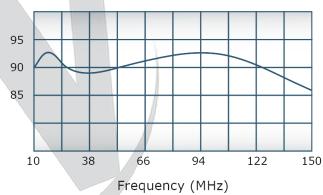
Performance Data (Specifications subject to change without notice):

Insertion Loss: VSWR:



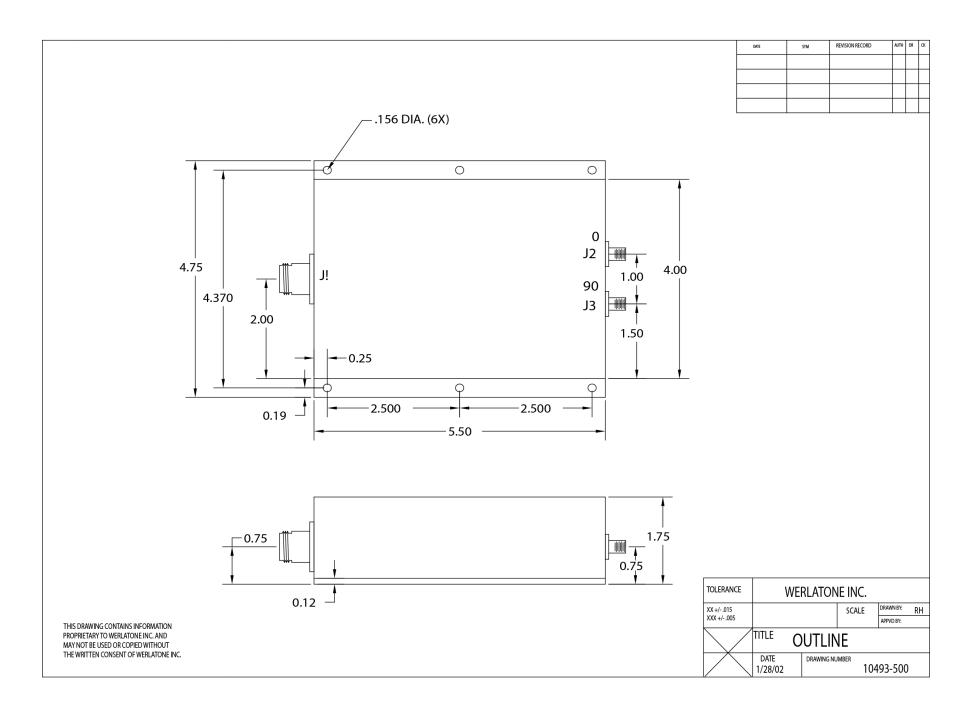






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QH6313 Rev.-



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