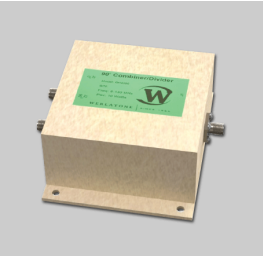
WERLATONE

Model QH3350
90° Hybrids Connectorized



**PRODUCT DATA SHEET** **QH3350**

**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:**

| | |
|---|---|
| Frequency: | 6 - 130 MHz |
| Power: | 10 W CW |
| Insertion Loss | 0.6 dB Max. |
| VSWR: | 1.30:1 Max. |
| Phase Balance: | 90° ± 5° 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: | 0.75 lb. |
| Size: | 3.75 x 3.0 x 1.5'' |

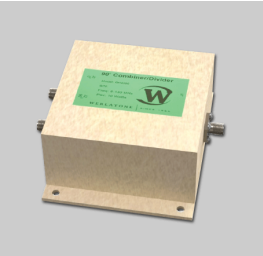
**Connector Configurations:**

| **Model** | **Sum Port (J1)** | **0°, 90° Ports (J2,J3)** |
|---|---|---|
| QH3350-10 | N Female | N Female |
| QH3350-102 | SMA | 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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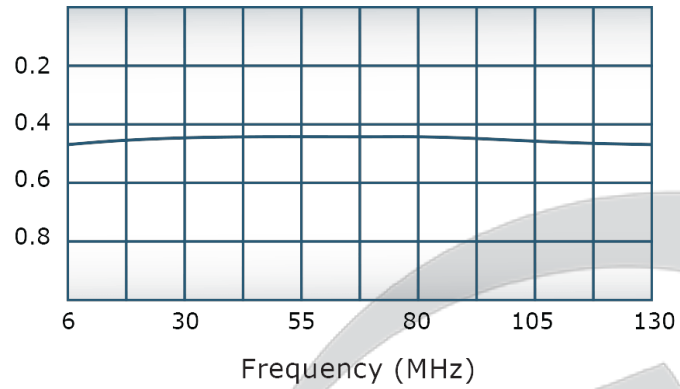
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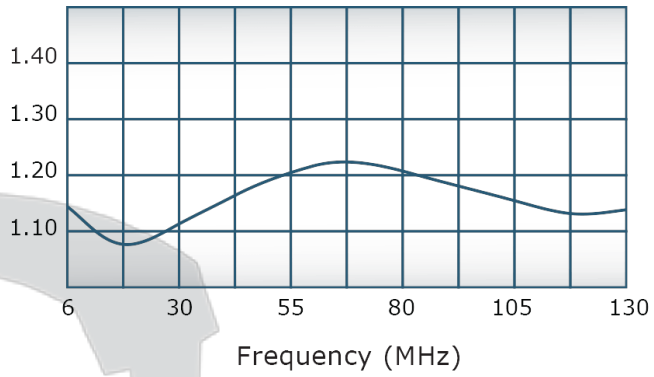


## Performance Data (Specifications subject to change without notice):

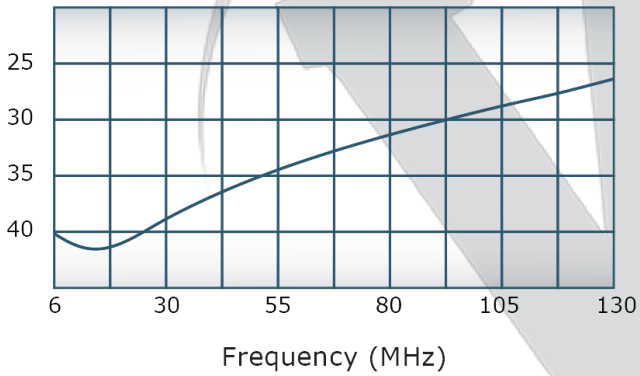
Insertion Loss:



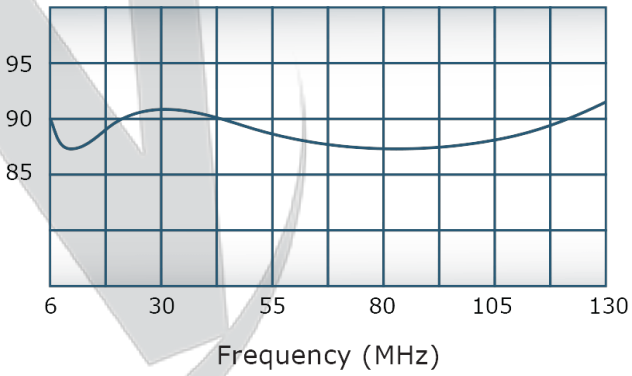

VSWR:




Isolation:



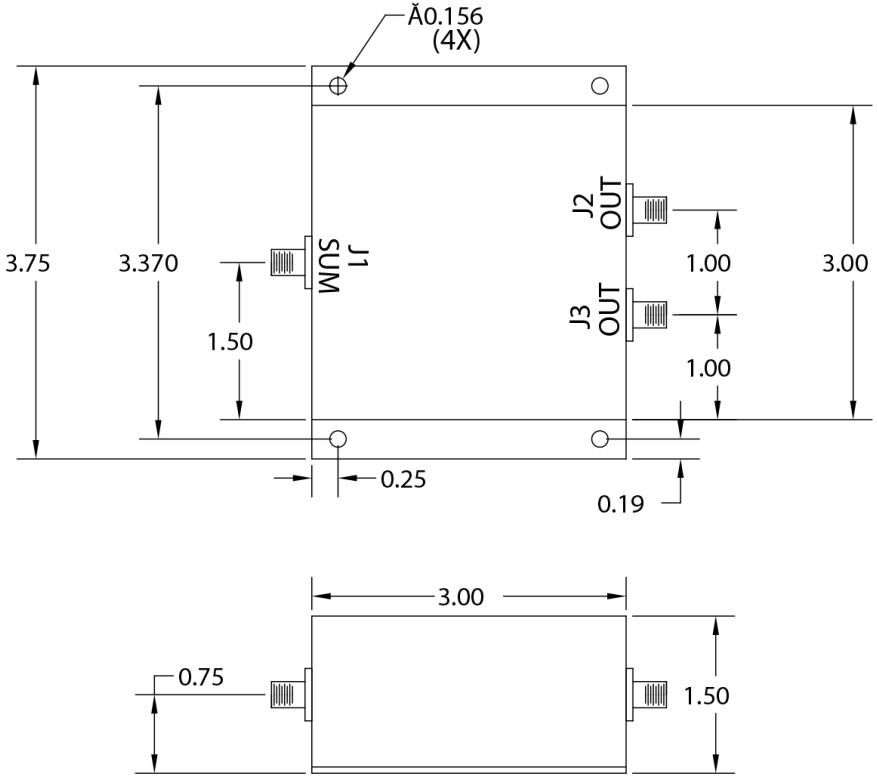

Phase Balance:




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QH 3350 QUADRATURE HYBRID
6-130 MHZ 10 W AVG.

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