

PRODUCT DATA SHEET QH9139

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: 1000 - 2500 MHz Power: 250 W CW

Insertion Loss 0.2 dB Max. VSWR: 1.25:1 Max. <u>+</u> 5° dB Max. Phase Balance: Amplitude Balance: 0.65dB Max. Isolation: 20 dB Min.

Mechanical Specifications:

Surface Mount Type:

Plating Options: QH9139-Pb: Electrodeposited Tin/Lead

QH9139-Sn: Immersion Tin (RoHS Compliant)

QH9139-Ag: Immersion Silver (RoHS Compliant)

Size: 0.56 x 0.35 x 0.98"

Port Configurations:

J1 13 J4 Input -3 dB, 0° -3 dB, -90° Isolated -3 dB, 0° -3 dB, 90° 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.

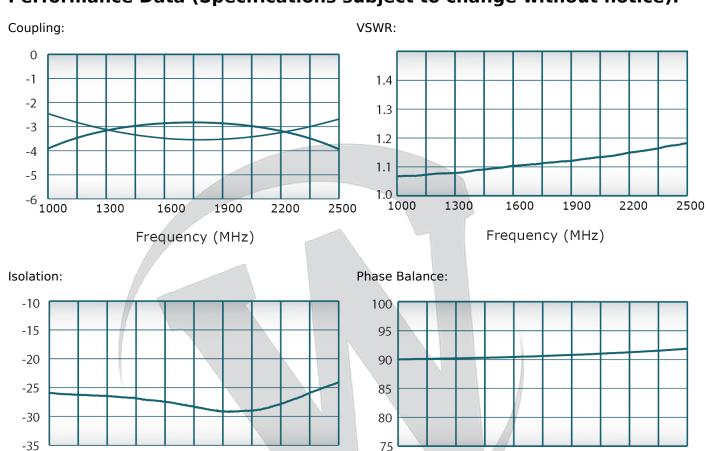
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Performance Data (Specifications subject to change without notice):



1000

1300

1600

Frequency (MHz)

1900

2200

2500

1000

1300

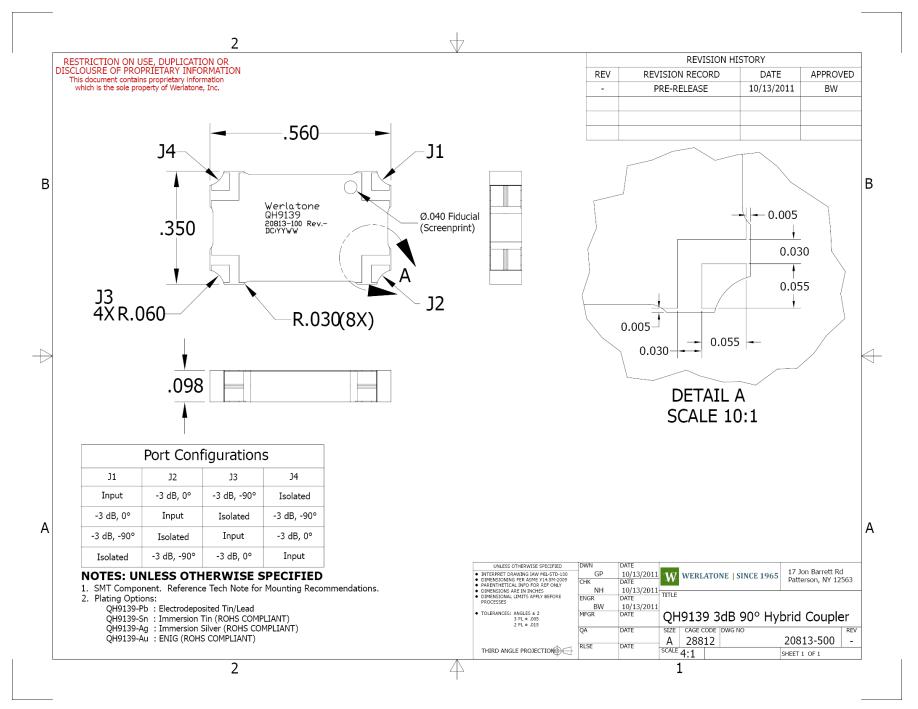
1600

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