



PRODUCT DATA SHEET QH9056

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: 30 - 520 MHzPower: 400 W CWInsertion Loss 0.8 dB Max.
VSWR: 1.30:1 Max.
Phase Balance: $90^{\circ} \pm 8^{\circ} \text{ dB Max}$.

Amplitude Balance: \pm 1.2 dB Max. (35-520 MHz)

+ 1.35 dB at 30 MHz

Isolation: 18 dB Min.

Mechanical Specifications:

Type: Surface Mount

Plating Options: QH9056-Pb: Electrodeposited Tin/Lead

QH9056-Sn: Immersion Tin (RoHS

Compliant)

QH9056-Ag: Immersion Silver (RoHS

Compliant)

QH9056-Au (ENIG)

Weight: 3.8 oz.

Size: 4.0 x 1.7 x 0.29"

Port Configurations:

J1 14 -3 dB. 0° -3 dB, -90° Input Isolated -3 dB. 0° -3 dB. -90° Input Isolated -3 dB. -90° -3 dB, 0° Isolated Input -3 dB, 0° Isolated -3 dB, -90° 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.

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

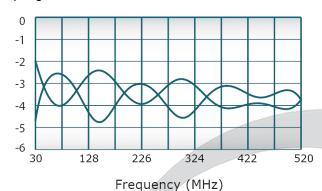




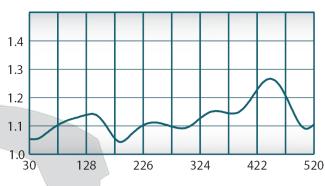
PRODUCT DATA SHEET QH9056

Performance Data (Specifications subject to change without notice):

Coupling:

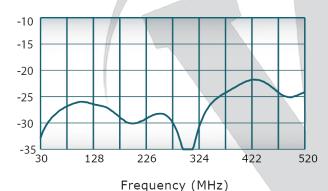


VSWR:

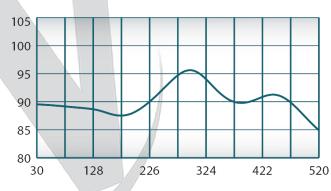


Frequency (MHz)

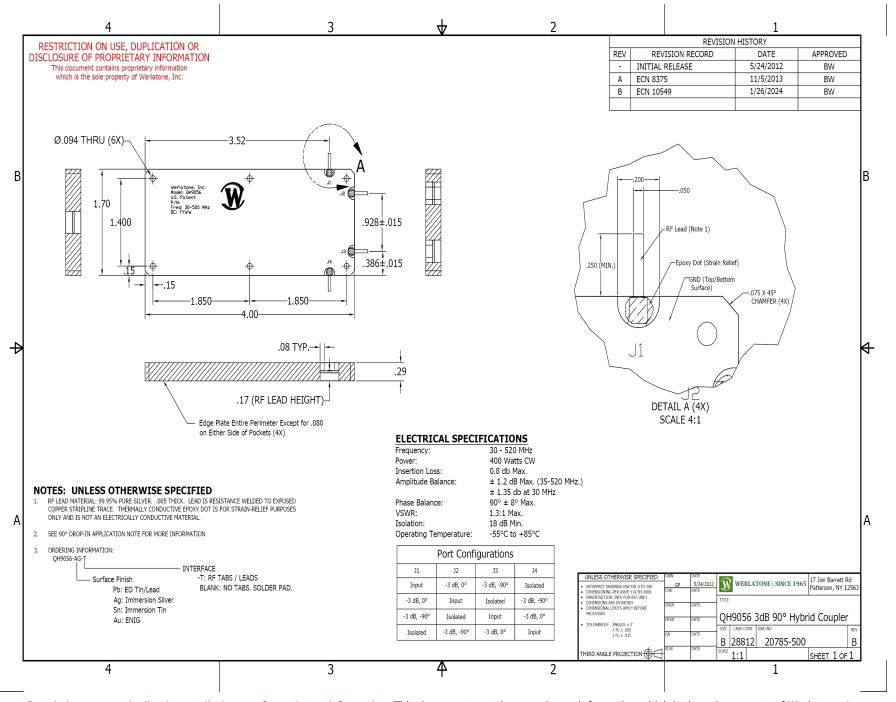
Isolation:



Phase Balance:



Frequency (MHz)



Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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