90° Hybrids Surface Mount (SMT) & Drop

PRODUCT DATA SHEET OH7949

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: 500 - 1000 MHz
Power: 500 W CW
Insertion Loss 0.15 dB Max.
VSWR: 1.25:1 Max.
Phase Balance: ± 5° dB Max.
Amplitude Balance: ± 0.55 dB Max.
Isolation: 20 dB Min.

Mechanical Specifications:

Type: Surface Mount

Plating Options: QH7900-Pb: Electrodeposited Tin/Lead

Size: 2.5 x 0.75 x 0.27"

Port Configurations:

J1 J2 J3 J4
Sum Port 90° Port 0° Port Isolated Port

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.

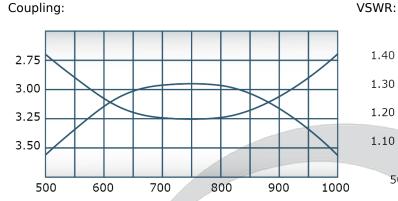
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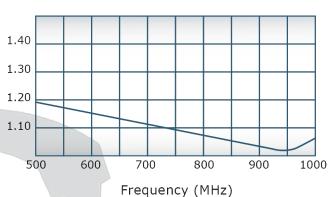
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PRODUCT DATA SHEET QH7949

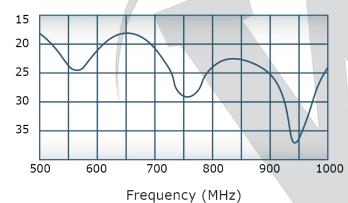
Performance Data (Specifications subject to change without notice):



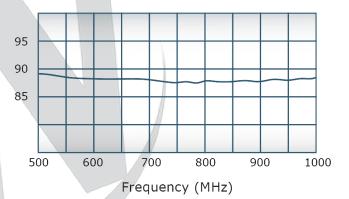
Frequency (MHz)



Isolation:

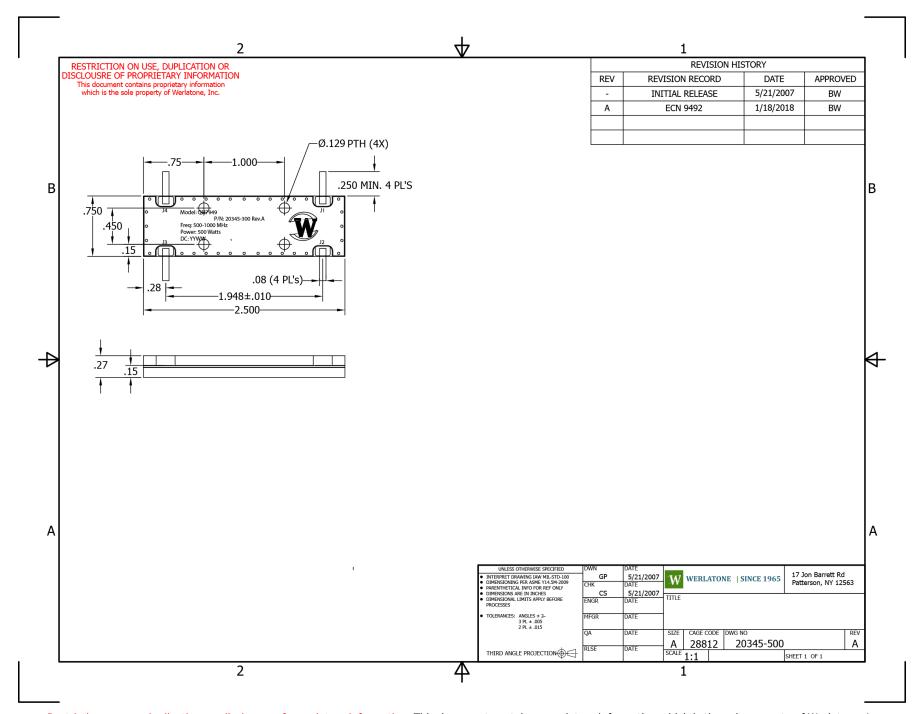


Phase Balance:



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