



PRODUCT DATA SHEET QH11016

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: 950 - 1850 MHz
Power: 500 W CW
Insertion Loss 0.2 dB Max.
VSWR: 1.25:1 Max.
Phase Balance: ± 5° dB Max.
Amplitude Balance: ± 0.5 dB Max.
Isolation: 19 dB Min.

Mechanical Specifications:

Type: Drop-In

Plating Options: QH11016-Ag: Immersion Silver (RoHS)

Size: 2.0 x 1.0 x 0.28"

Port Configurations:

J1	J2	J3	J4
Input	-3 dB, 0°	-3 dB, -90°	Isolated
-3 dB, 0°	Input	Isolated	-3 dB, -90°
-3 dB, -90°	Isolated	Input	-3 dB, 0°
Isolated	-3 dB, -90°	-3 dB, 0°	Input

Unit can be ordered with or without Solder Tabs. Add "-T" after plating code for Tabbed unit. See 90° Drop-In Application Note for more information.

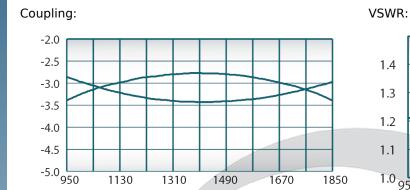
Werlatone's breakthrough technology allows us to build our existing line of Broadband 3 dB High Power 90° Hybrid Couplers. Connectorized 3 dB 90° Hybrid Coupler models are available with a choice of connectors. Several of our existing High Power 3 dB 90° RF Couplers are three port designs, wherein the 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):

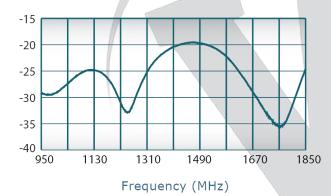


1.4 1.3 1.2 1.1 1.0 950 1130 1310 1490 1670 1850

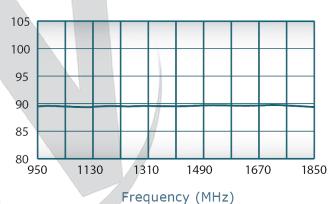
Frequency (MHz)

Frequency (MHz)

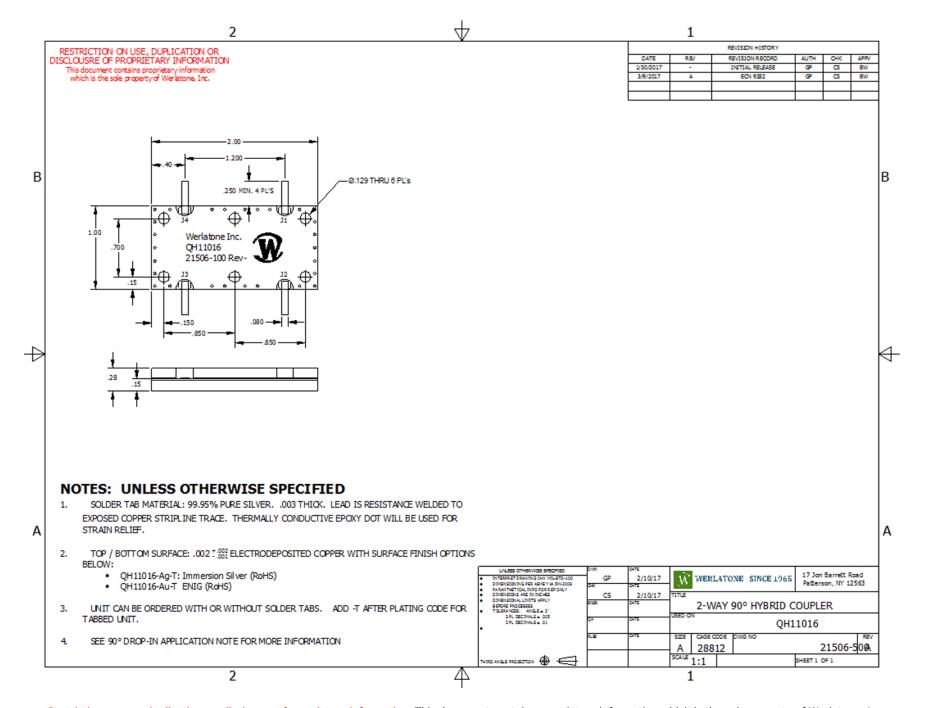
Isolation:



Phase Balance:



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