



PRODUCT DATA SHEET

QH7349

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: 100 - 1000 MHz
 Power: 50 W CW
 Insertion Loss: 0.6 dB Max.
 VSWR: 1.30:1 Max.
 Phase Balance: $90^\circ \pm 5^\circ$ dB Max.
 Amplitude Balance: ± 1.0 dB Max.
 Isolation: 20 dB Min.

Mechanical Specifications:

Type: Surface Mount
 Weight: 1 lb.
 Size: 4.6 x 1.7 x 0.31"

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.

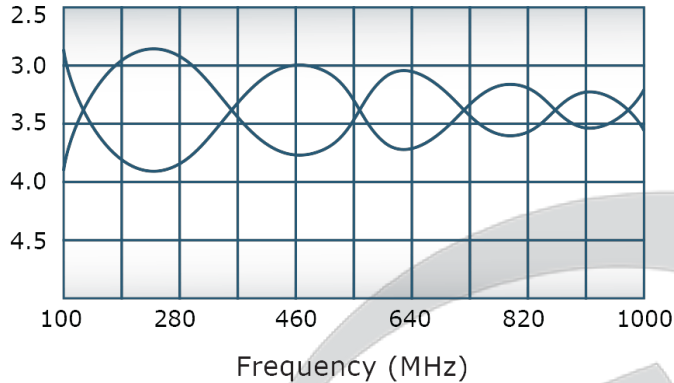


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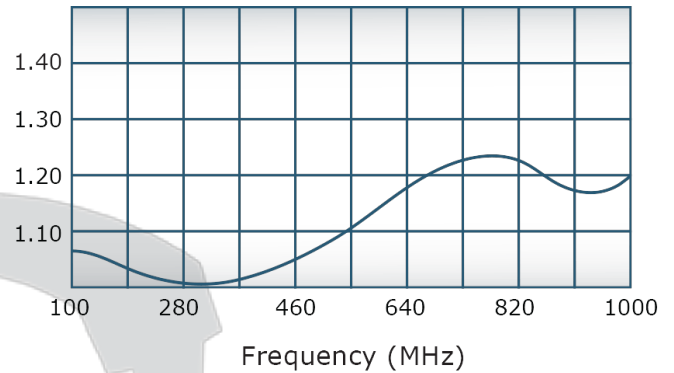
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Performance Data (Specifications subject to change without notice):

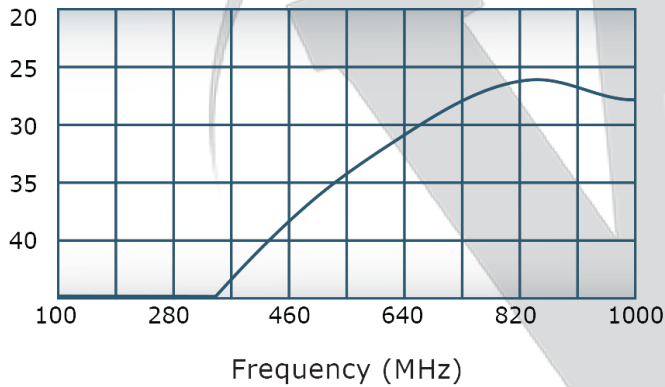
Insertion Loss:



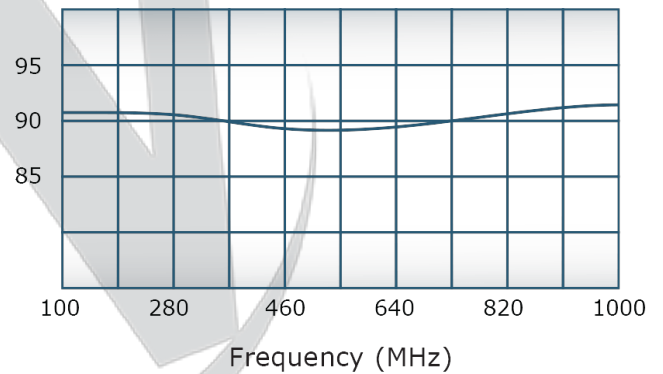
VSWR:



Isolation:



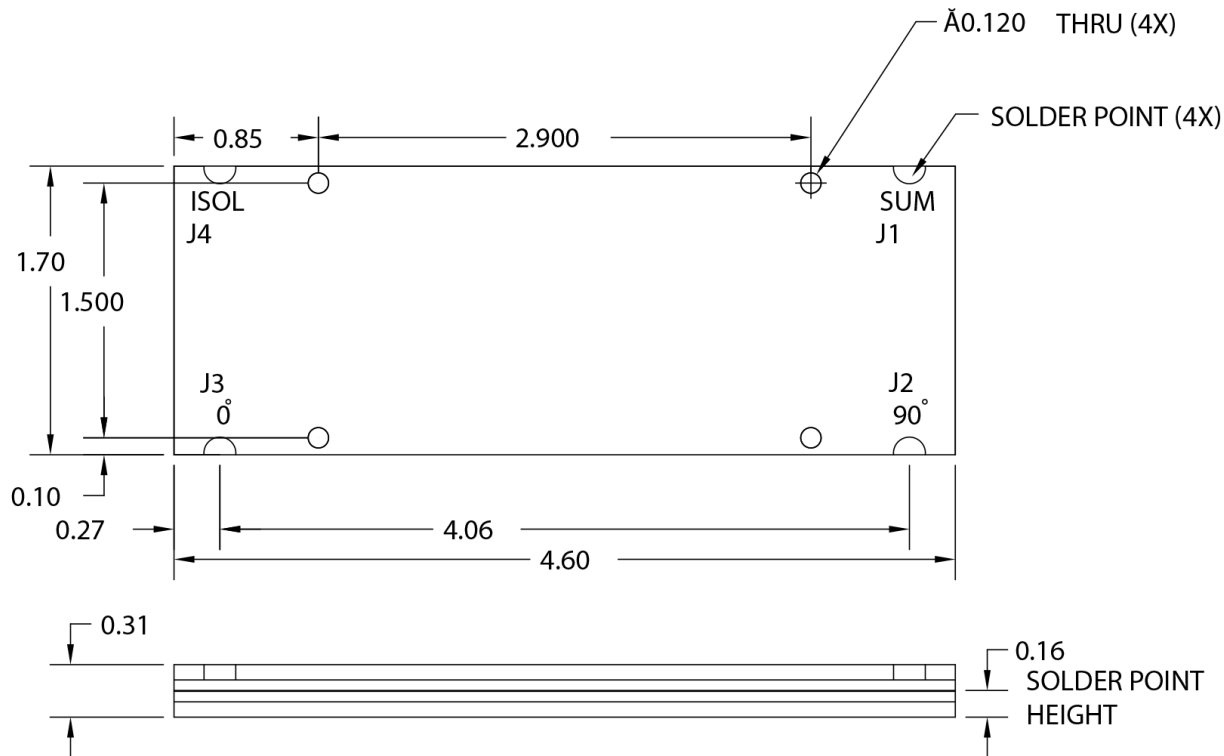
Phase Balance:



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DATE	SYM	REVISION RECORD	AUTH	DR	CK



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