Model QH5426
90° Hybrids Connectorized

PRODUCT DATA SHEET **QH5426**

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:	6 - 130 MHz
Power:	250 W CW
Insertion Loss:	0.5 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	90° ± 5° Max.
Amplitude Balance:	± 0.3 dB Max.
Isolation:	20 dB Min.

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type I Class 3 (Yellow Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Weight:	3 lbs.
Size:	5.5 x 4.75 x 1.75''

Connector Configurations:

Model	Sum Port (J1)	Inputs (J2,J3)	Ext. Load Port
QH5426-10	N Female	N Female	Not Applicable
QH5426-12	N Female	SMA	Not Applicable
QH5426-13	N Female	BNC	Not Applicable
QH5426-102	SMA	SMA	Not Applicable

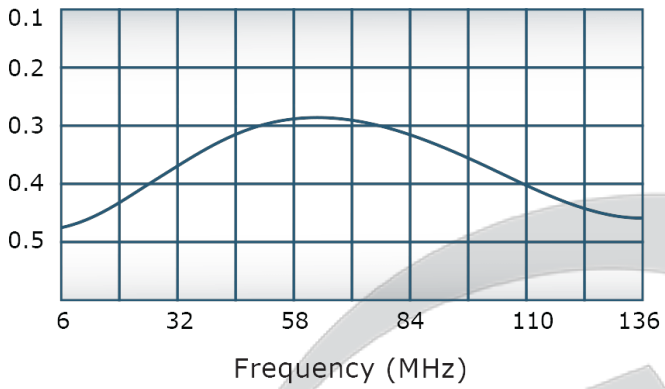
Werlatone's breakthrough technology allows us to build our existing line of Broadband 3 dB High Power 90° Hybrid Couplers. Connectorized 3 dB 90° Hybrid Coupler models are available with a choice of connectors. Several of our existing High Power 3 dB 90° RF Couplers are three port designs, wherein the 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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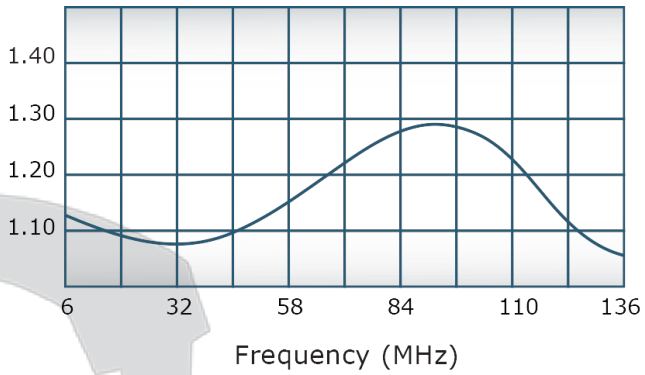
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Performance Data (Specifications subject to change without notice):

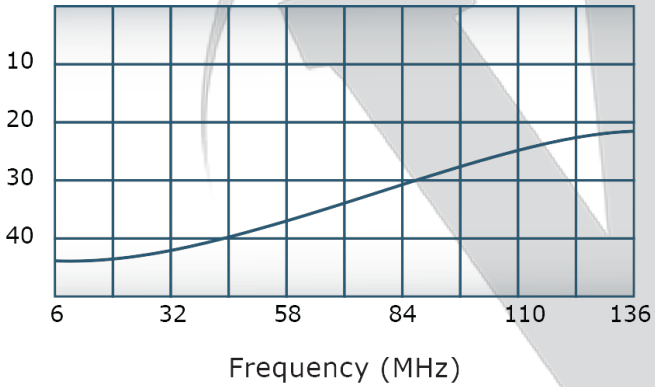
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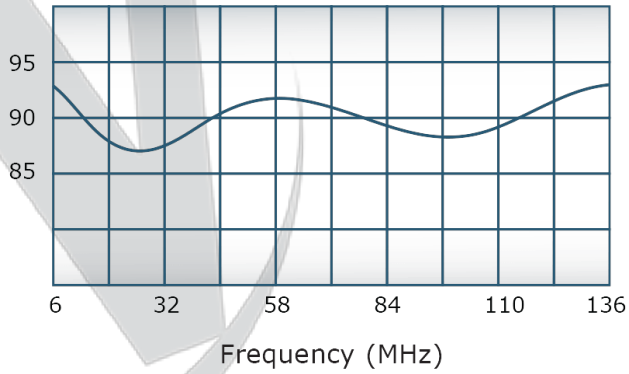
VSWR:



Isolation:



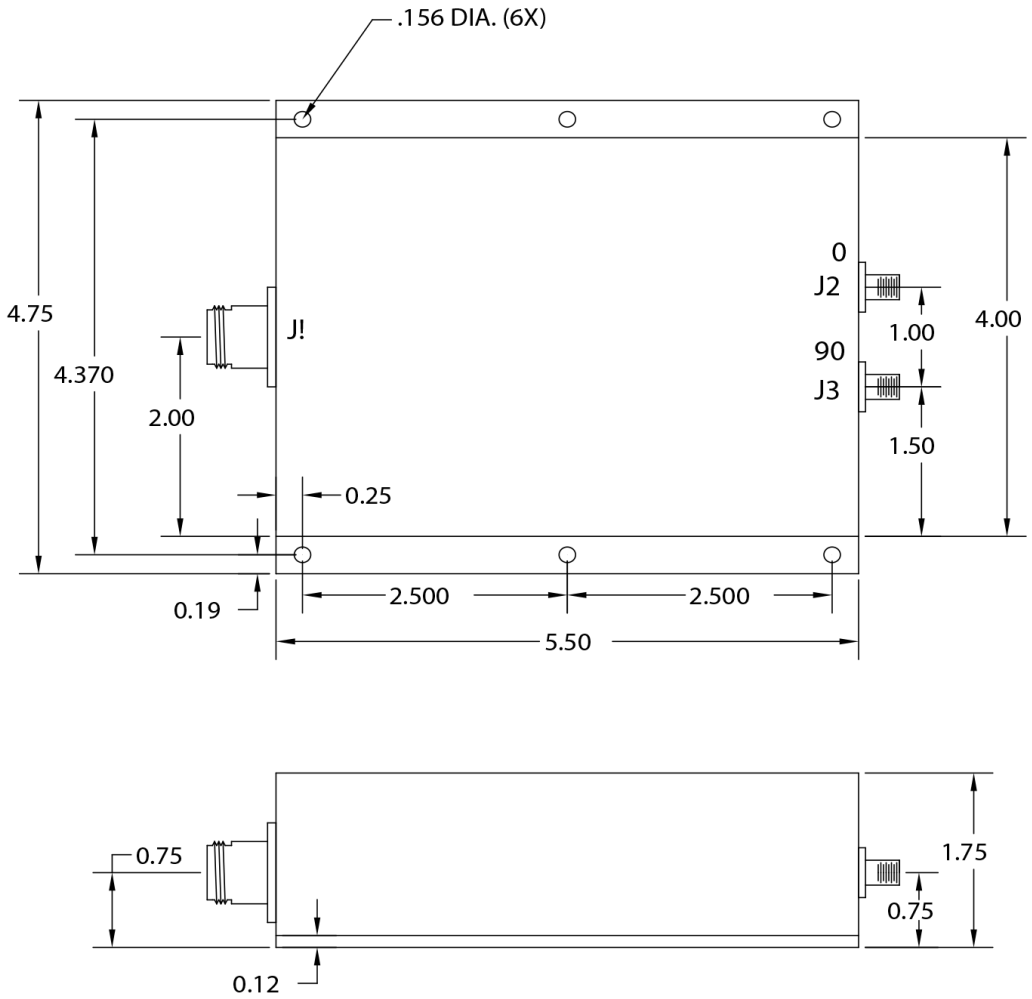
Phase Balance:



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DATE	SYM	REVISION RECORD	AUTH	DR	CK



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