

PRODUCT DATA SHEET

QH11675

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: 2 - 30 MHz
Power: 2500 W CW
Insertion Loss 0.3 dB Max.
VSWR: 1.25:1 Max.
Phase Balance: $\pm 6^\circ$ dB Max.
Amplitude Balance: ± 0.2 dB Max.
Isolation: 25 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
Size: 8.0 x 5.5 x 3.4"

Connector Configurations:

Model	Sum Port (J3)	0°, 90° (J1,J2)	Ext. Load Port
QH11675-10	N Female	N Female	Not Applicable
QH11675-13	N Female	BNC Female	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.

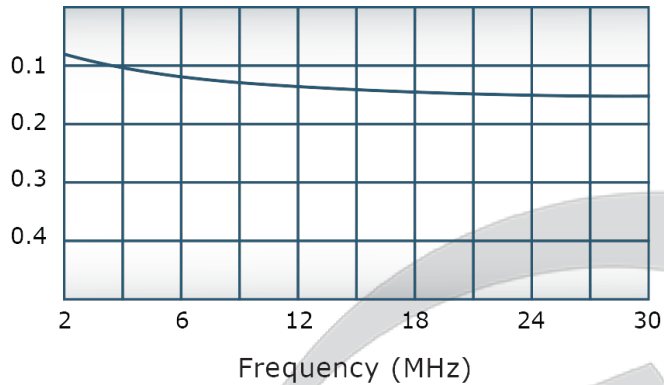


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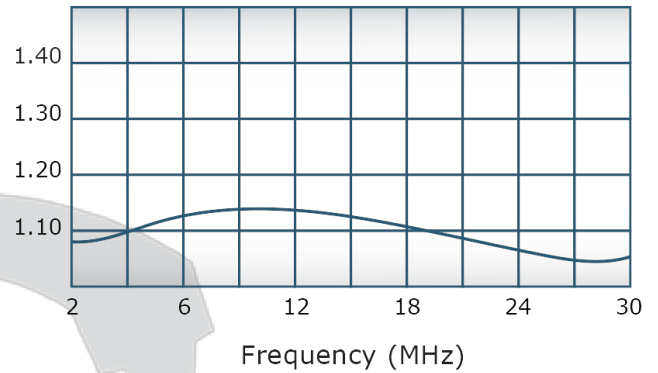
QH11675

Performance Data (Specifications subject to change without notice):

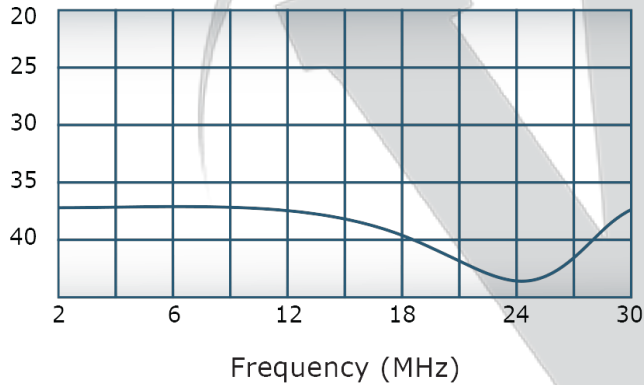
Insertion Loss:



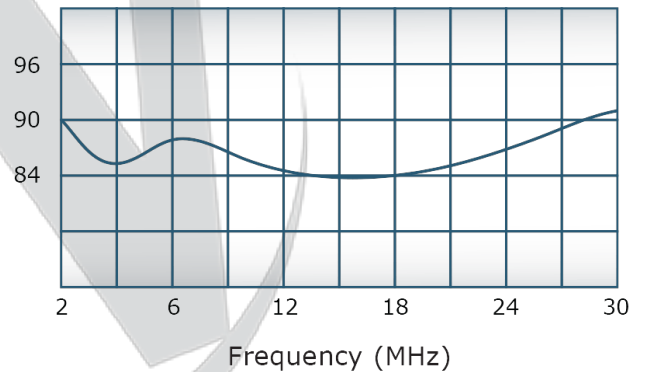
VSWR:



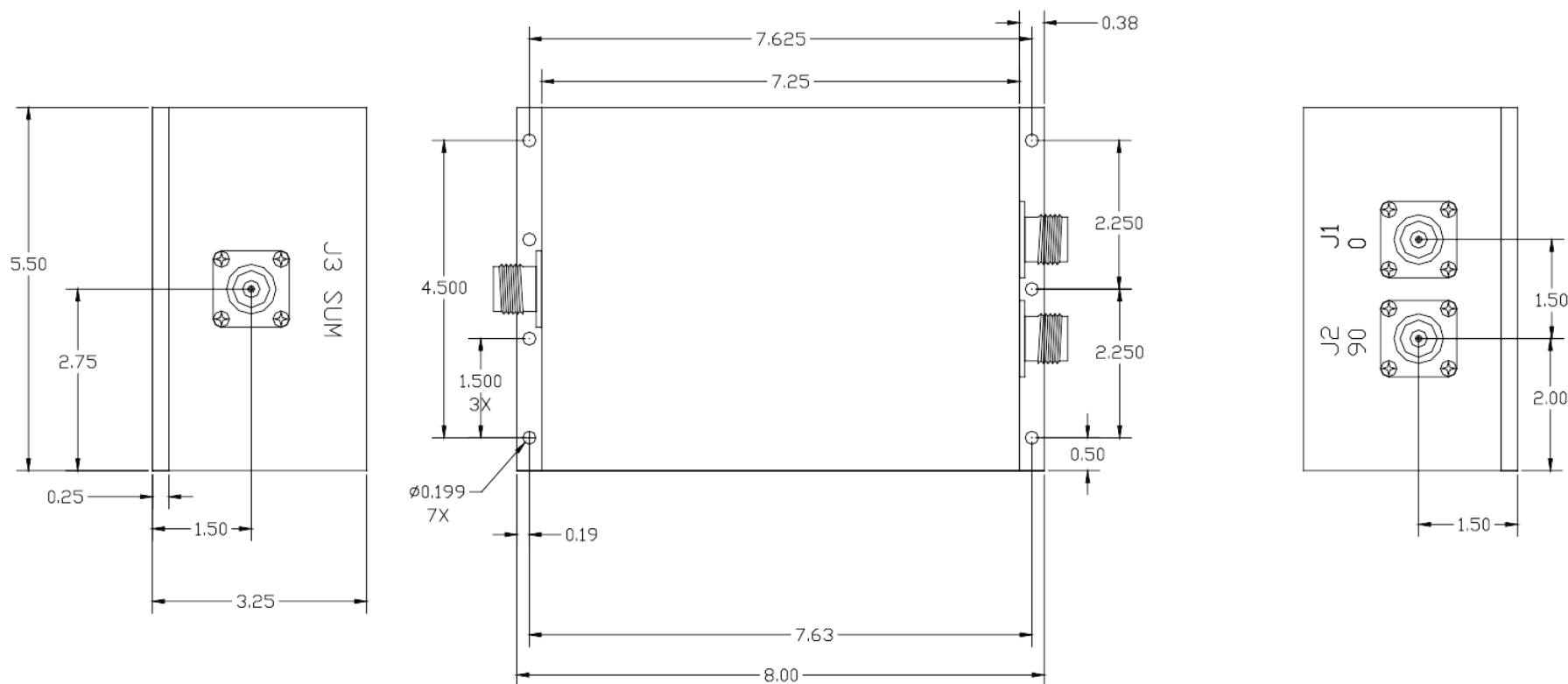
Isolation:



Phase Balance:



DATE	SYM	REVISION RECORD	AUTH	DR	CK
4/18	-	INITIAL RELEASE		PLP	
4/18	A	ECN 9563	CS	PLP	



TOLERANCE	WERLATONE INC.			
XX +/- .015 XXX +/- .005	USED ON: QH11675	SCALE	DRAWN BY: PLP APPVD BY: CS	
DATE 4/17/18		DRAWING NUMBER 21606-500		

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