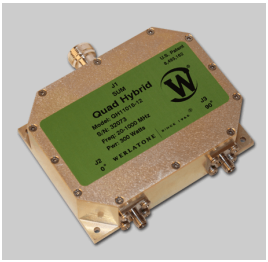
WERLATONE

Model QH11015
90° Hybrids Connectorized



PRODUCT DATA SHEET **QH11015**

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:	20-1000 MHz
Power:	300 W CW
Insertion Loss:	0.8 dB Max.
VSWR:	1.45:1 Max.
Phase Balance:	90° ± 10° Max.
Amplitude Balance:	± 0.25 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
Size:	4.10 x 3.10 x 1.25"

Connector Configurations:

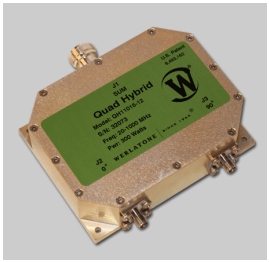
Model	**Sum Port (J1)**	**Inputs (J2,J3)**	**Ext. Load Port**
QH11015-10	N Female	N Female	Not Applicable
QH11015-12	N Female	SMA	Not Applicable

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.

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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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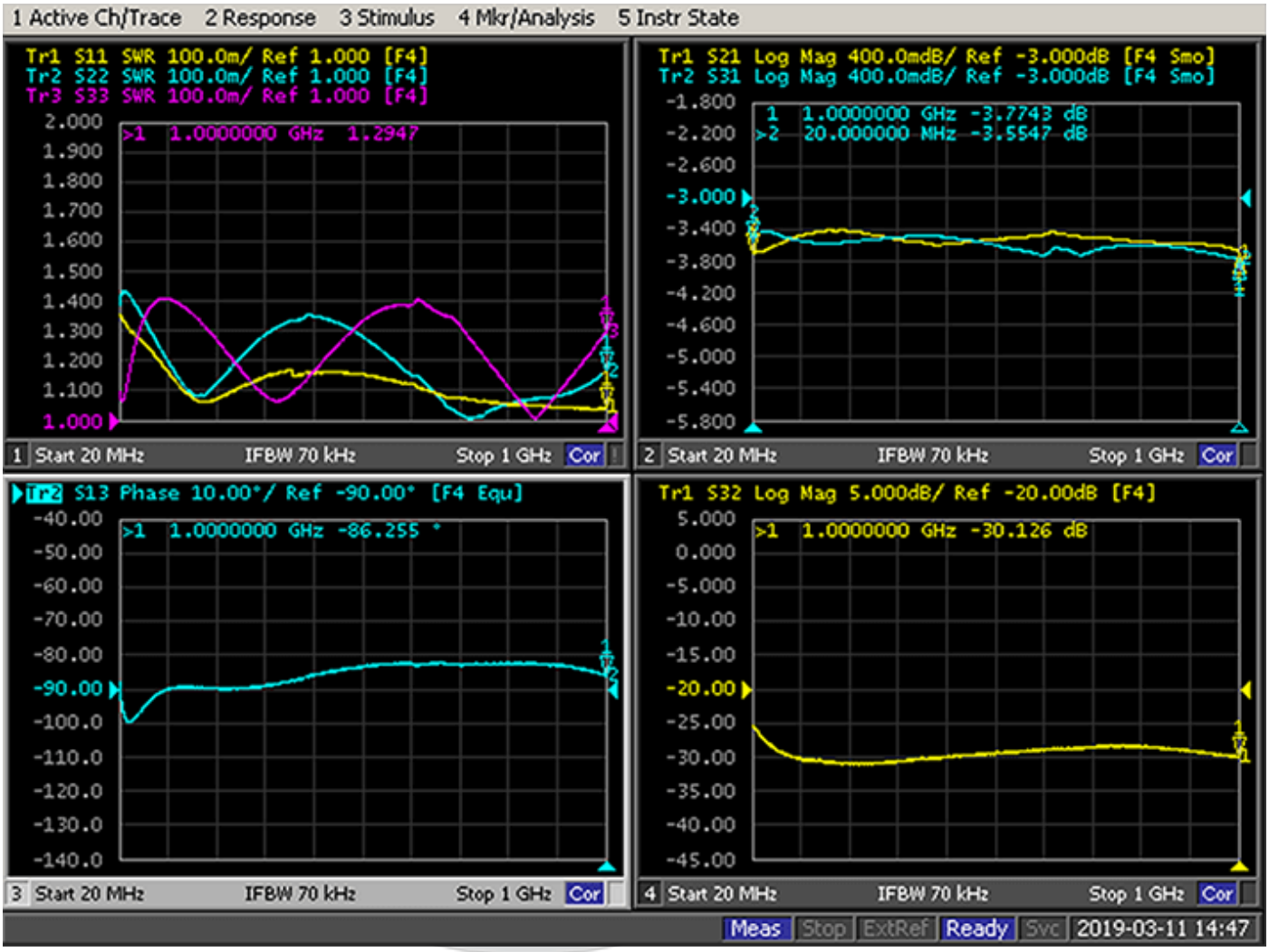
Model QH11015
90° Hybrids Connectorized



PRODUCT DATA SHEET **QH11015**

Performance Data (Specifications subject to change without notice):

Graph 1: VSWR, Graph 2: Coupling, Graph 3: Phase Balance, Graph 4: Isolation

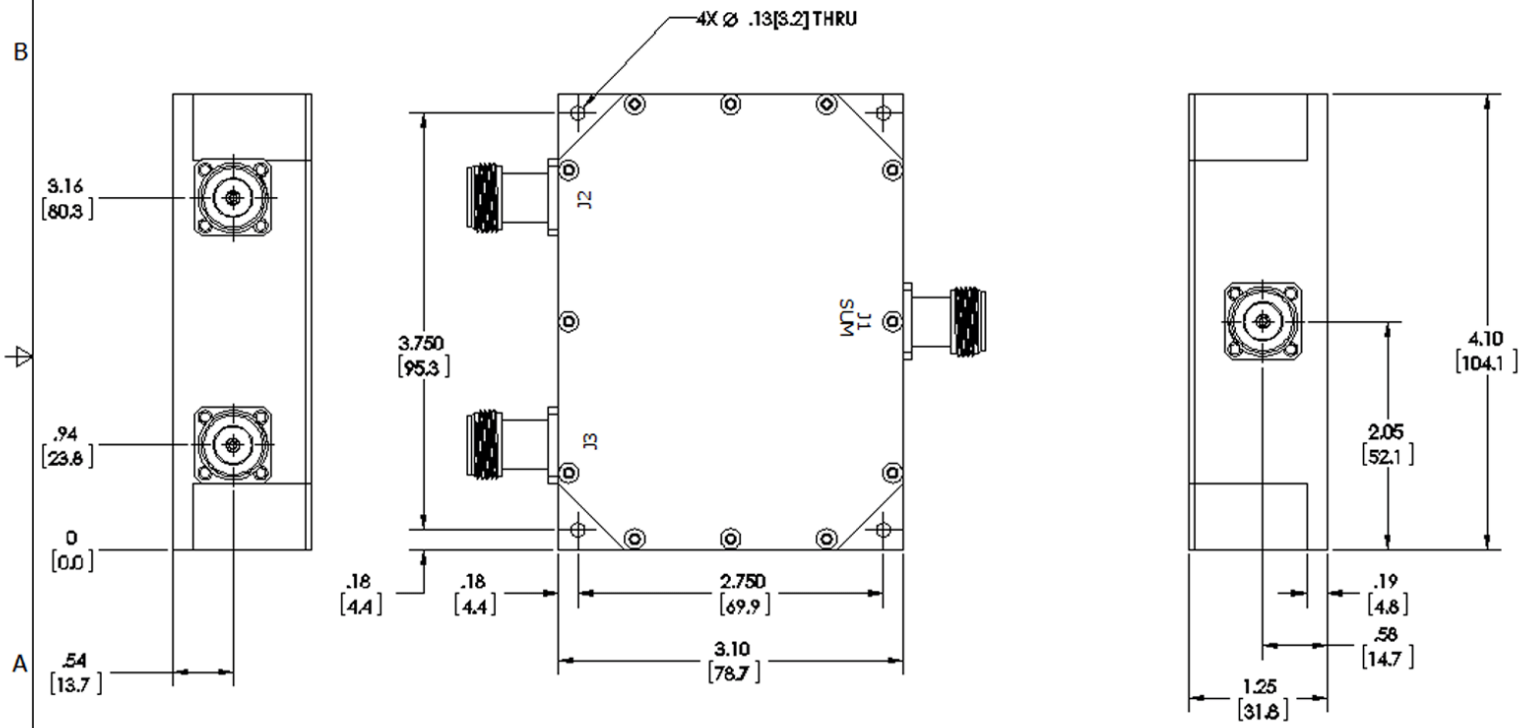


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	2/2/2017	PR



NOTES: UNLESS OTHERWISE NOTED
1. ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS: N (FEMALE)

NEXT ASSY	CH11015-10
APPLICATION	USED ON

UNLESS OTHERWISE SPECIFIED
THIRD ANGLE PROJECTION

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B	28812	21505-500	-

SCALE 1:1 SHEET 1 OF 1

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