
PRODUCT DATA SHEET
QH8362
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:	800 - 4200 MHz
Power:	150 W CW
Insertion Loss:	0.55 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	90° ± 5° Max.
Amplitude Balance:	± 0.5 dB Max.
Isolation:	18 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:	2 oz.
Size:	1.55 x 1.58 x 0.47"

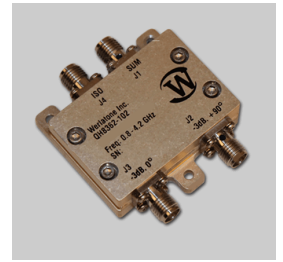
Connector Configurations:

Model	Sum Port (J1)	-90°,0° (J2,J3)	Diff. Port (J4)
QH8362-102	SMA	SMA	SMA

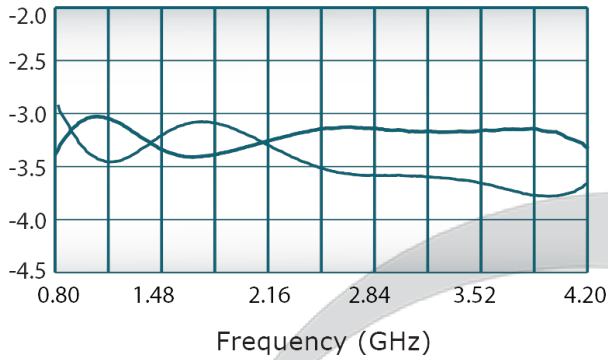
Werlatone's breakthrough technology allows us to build our existing line of Broadband 3 dB High Power 90° Hybrid Couplers. Connectorized 3 dB 90° Hybrid Coupler models are available with a choice of connectors. Several of our existing High Power 3 dB 90° RF Couplers are three port designs, wherein the difference port is internally terminated with a high power termination. This eliminates the need for a customer supplied external load for each Hybrid Coupler.

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

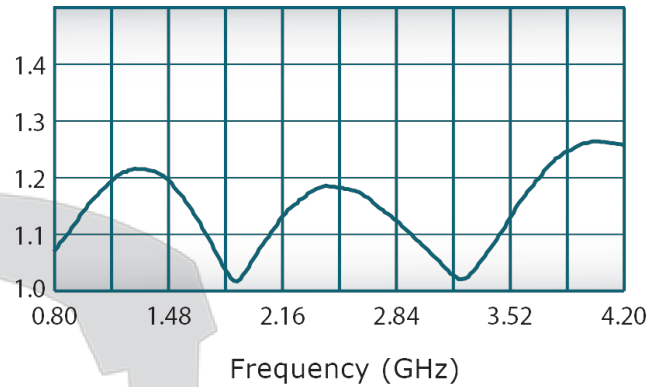
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com


PRODUCT DATA SHEET
QH8362
Performance Data (Specifications subject to change without notice):

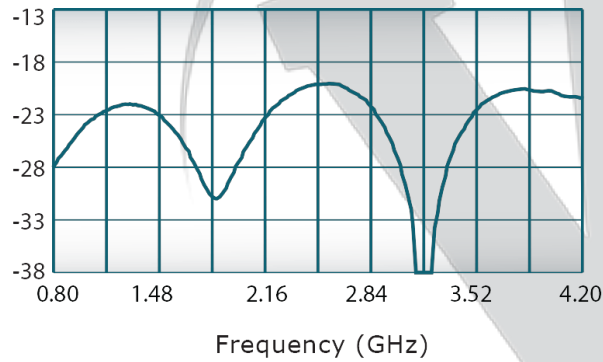
Coupling:



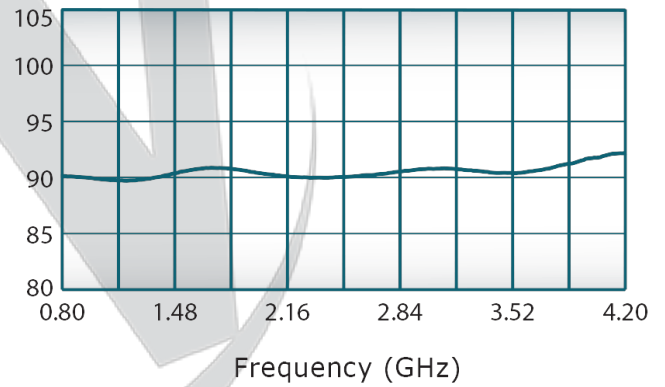
VSWR:



Isolation:



Phase Balance:



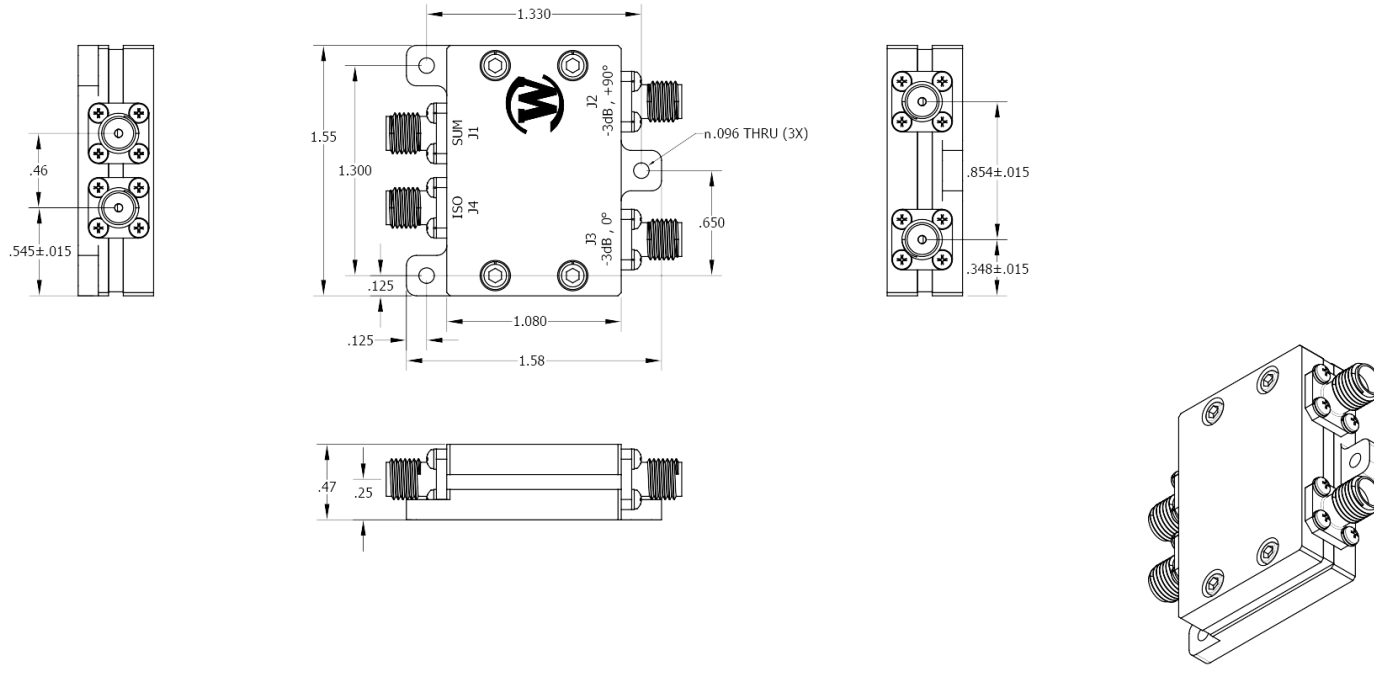
Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of

Werlatone, Inc.

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

RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION
 This document contains proprietary information which is the sole property of Werlatone, Inc.

REVISION HISTORY				
DATE	REV	DESCRIPTION	AUTHOR	CHECKED BY
4/9/2009	-	INITIAL RELEASE	GP	NH
6/6/2013	A	ECN 8214	GP	BW



		UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563			
		<ul style="list-style-type: none"> • INTERPRET DRAWING SAW MIL-STD-100 • DIMENSIONING PER ASME Y14.5M-2009 • PARENTHETICAL DIMS FOR REF ONLY • DIMENSIONS ARE IN INCHES • DIMENSIONAL LIMITS APPLY BEFORE PROCESSES 		GP	4/8/09				
		<ul style="list-style-type: none"> • TOLERANCES: ANGLE ± 2° 2 PL ± .005 3 PL ± .015 		CHK	DATE	TITLE 3dB, 90° Hybrid Coupler			
				ENGR	4/9/09				
				GP	4/9/09	SIZE	CAGE CODE	DWG NO	REV
				APVD	DATE	A	28812	20510-500	A
				BW	4/9/09	SCALE			SHEET 1 OF 1
				QA	DATE				
				RLSE	DATE				
NEXT ASSY		USED ON							
APPLICATION				THIRD ANGLE PROJECTION					

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.
 Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com