
PRODUCT DATA SHEET
QH7622
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:	500 - 3000 MHz
Power:	150 W CW
Insertion Loss	0.55 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° dB Max.
Amplitude Balance:	± 0.6 dB Max.
Isolation:	19 dB Min.

Mechanical Specifications:

Type:	Surface Mount
Plating Options:	QH7622-Sn: Immersion Tin (RoHS) QH7622-Ag: Immersion Silver (RoHS) QH7622-Au: ENIG (RoHS)
Size:	1.65 x 1.1 x 0.09"
Weight:	0.1 lb

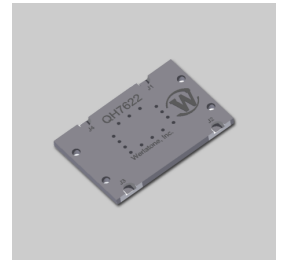
Port Configurations:

J1	J2	J3	J4
Sum	-3 dB, 0°	-3 dB, -90°	Isolated
-3 dB, 0°	Sum	Isolated	-3 dB, -90°
-3 dB, -90°	Isolated	Sum	-3 dB, 0°
Isolated	-3 dB, -90°	-3 dB, 0°	Sum

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.

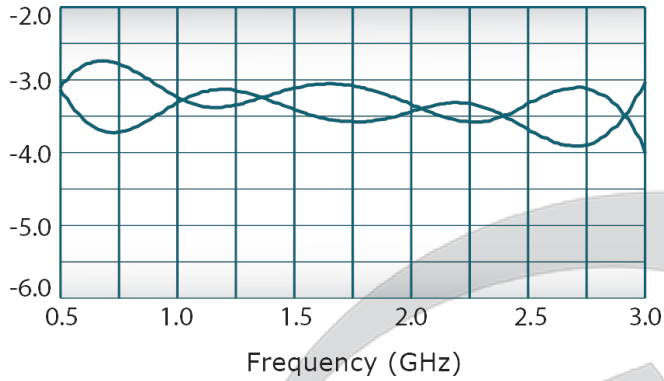
Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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

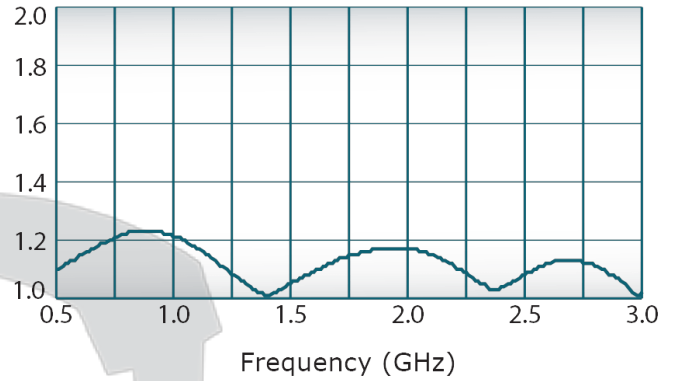


Performance Data (Specifications subject to change without notice):

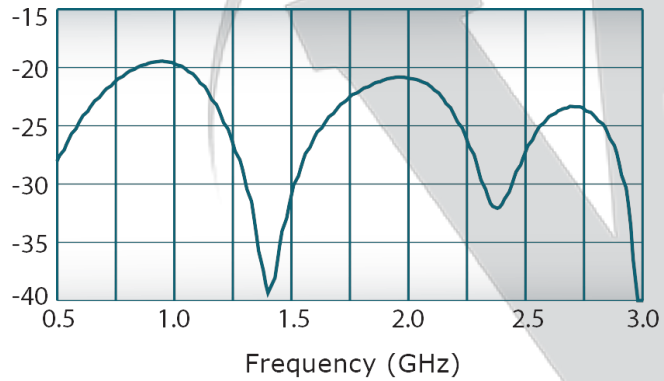
Coupling:



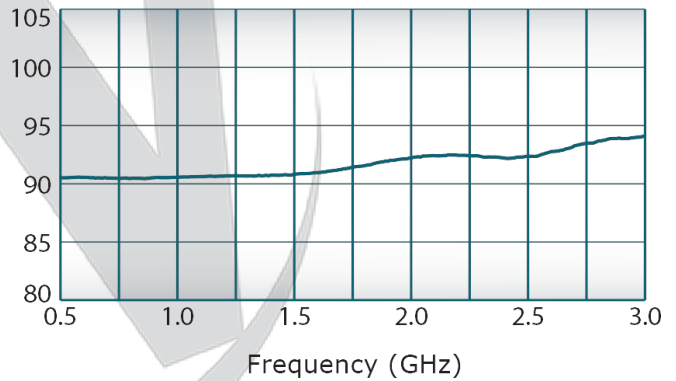
VSWR:



Isolation:



Phase Balance:



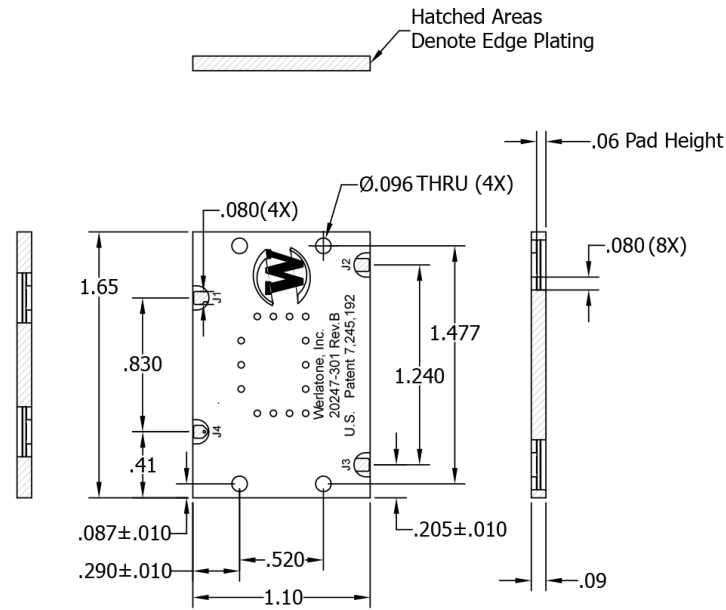
Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of

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	REVISION RECORD	AUTH	CHK	APPV	
8/30/2006	-	INITIAL RELEASE	GP	NH	BW	
10/6/2009	A	ECN 4977	GP	NH	BW	
9/8/2010	B	ECN 5225	GP	NH	BW	
3/8/11	C	ECN 5314	GP	NH	BW	



UNLESS OTHERWISE SPECIFIED INTERPRET DRAWING LAW MIL-STD-100 DIMENSIONING PER ASME Y14.5M-2009 PARAMETRIC INFO FOR REF ONLY DIMENSIONS ARE IN INCHES TOLERANCES: ANGLE ± 2° 3 PL DECIMALS ± .005 2 PL DECIMALS ± .015 THIRD ANGLE PROJECTION	DWN	DATE	WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563
	CHK	DATE	TITLE		
	ENGR	DATE	USED ON		
	QA	DATE			
RLSE	DATE	SIZE	CAGE CODE	DWG NO	REV
		A	28812	20247-500	C
		SCALE	1:1		SHEET 1 OF 1

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