WERLATONE

Model QH3571
90° Hybrids Connectorized



PRODUCT DATA SHEET **QH3571**

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:	200 - 500 MHz
Power:	1000 W CW
Insertion Loss:	0.2 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	90° ± 3° Max.
Amplitude Balance:	± 0.8 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:	1.75 lbs.
Size:	8.0 x 2.0 x 1.18''

Connector Configurations:

Model	**Sum Port (J1)**	**0°, 90° (J2,J3)**	**Isolated Load Port (J4)**
QH9044-10	N Female	N Female	N Female

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

Werlatone, Inc.All Rights Reserved

WERLATONE

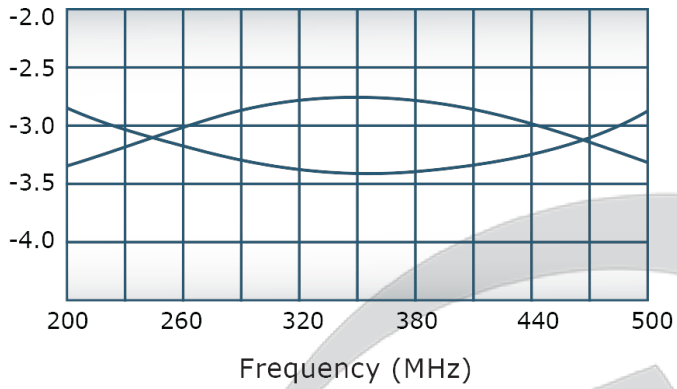
Model QH3571
90° Hybrids Connectorized



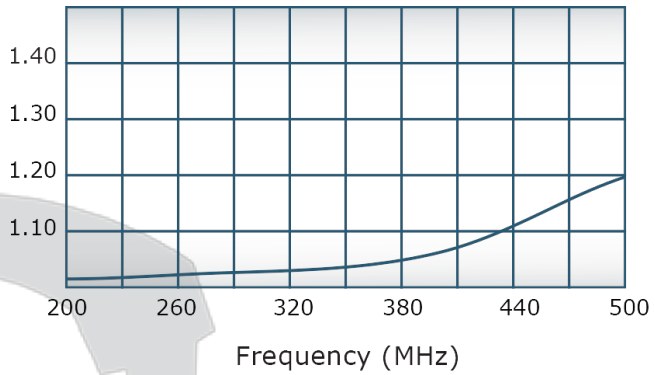
PRODUCT DATA SHEET **QH3571**

Performance Data (Specifications subject to change without notice):

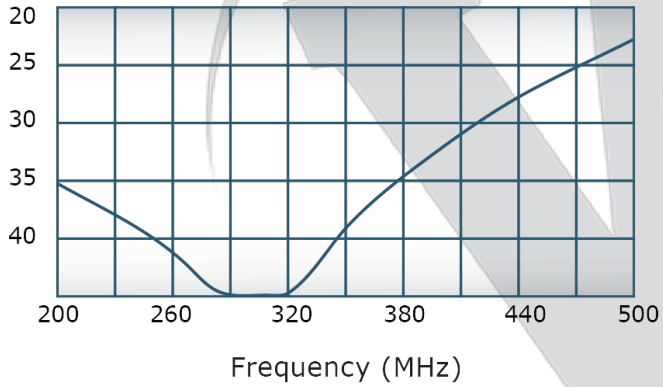
Coupling:



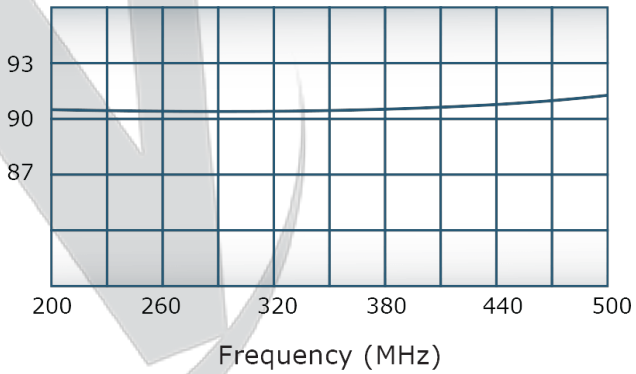
VSWR:



Insertion Loss:



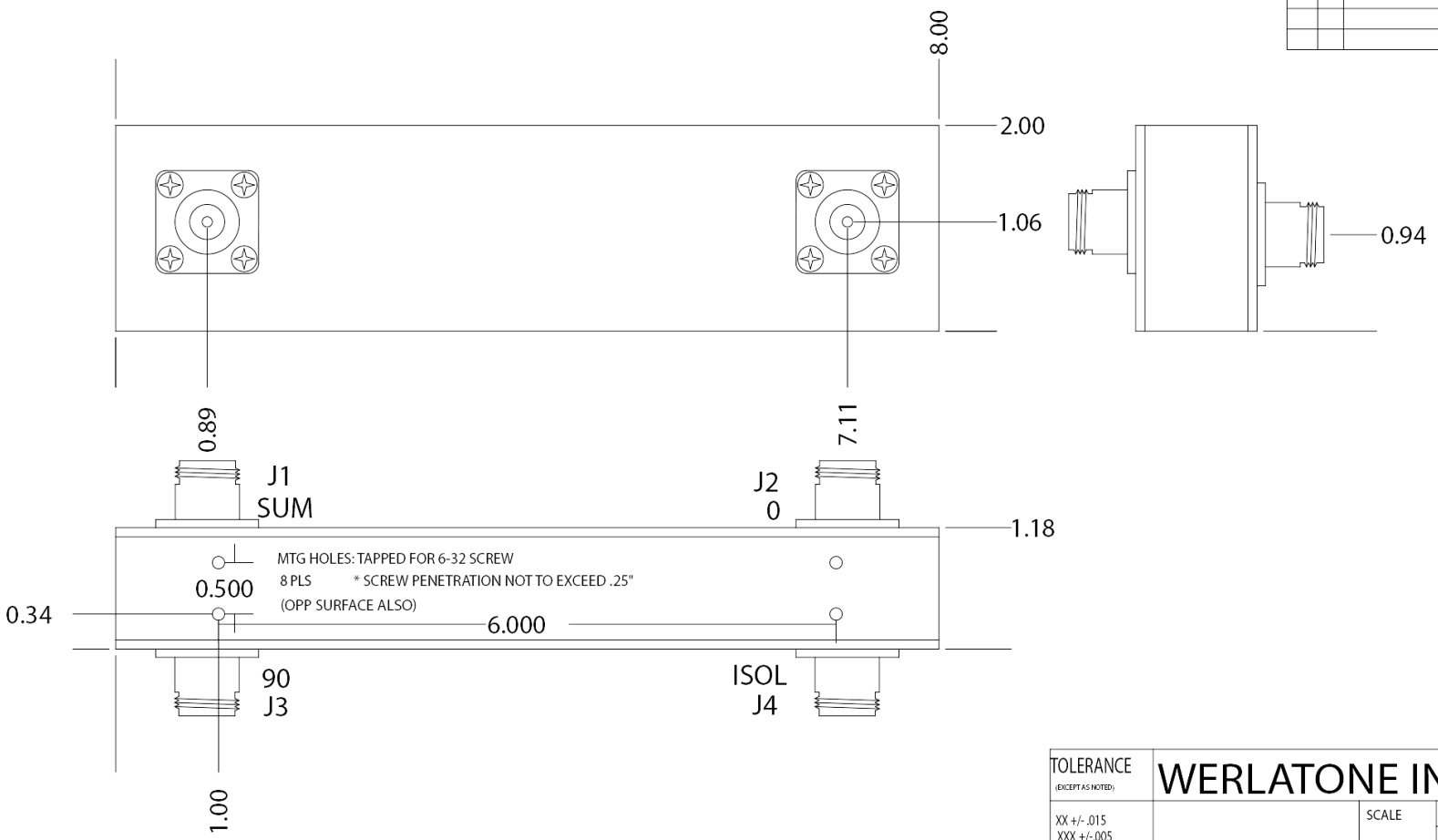
Phase Balance:



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

Werlatone, Inc.All Rights Reserved

DATE	SYM	REVISION RECORD	AUTH	DR	CK
7/12	A	ECN 5696	CS	CS	



TOLERANCE (EXCEPT AS NOTED) XX +/- .015 XXX +/-.005	WERLATONE INC.	SCALE	DRAWN BY MJ
			APPROVED BY
	TITLE OUTLINE		
	DATE 1/27/95	DRAWING NUMBER 10318-500	

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