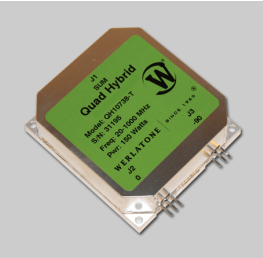
WERLATONE

Model QH10738
90° Hybrids Surface Mount (SMT) & Drop



PRODUCT DATA SHEET **QH10738**

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:	20 - 1000 MHz
Power:	150 W CW
Insertion Loss	0.8 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	± 12° dB Max.
Amplitude Balance:	± 0.25 dB Max.
Isolation:	20 dB Min.

Mechanical Specifications:

Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite)
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	3.0 x 2.75 x 1.0''

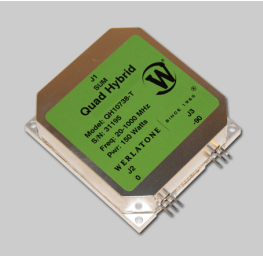
Port Configurations:

Model	**Sum Port (J1)**	**0°, -90° (J2, J3)**
QH10738-T	Tabs	Tabs

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.

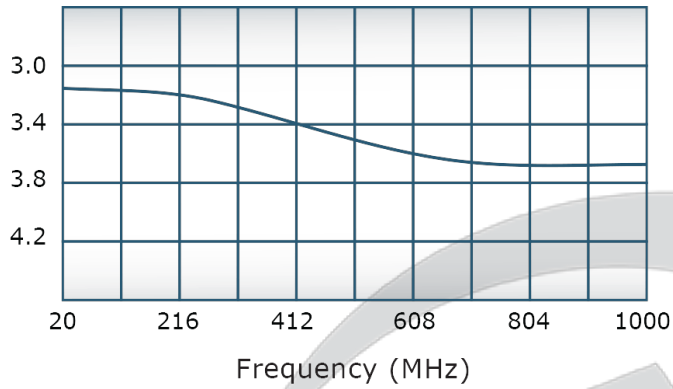
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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

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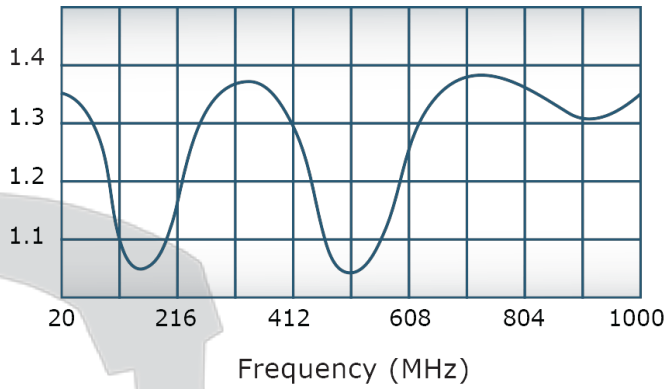


Performance Data (Specifications subject to change without notice):

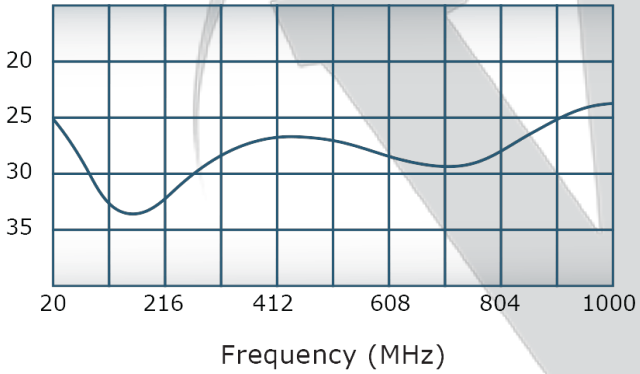
Coupling:



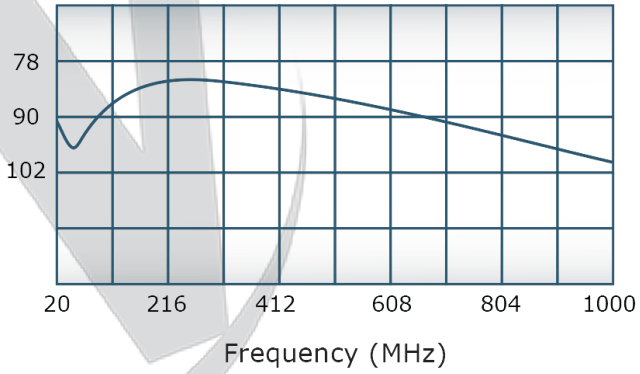
VSWR:



Isolation:



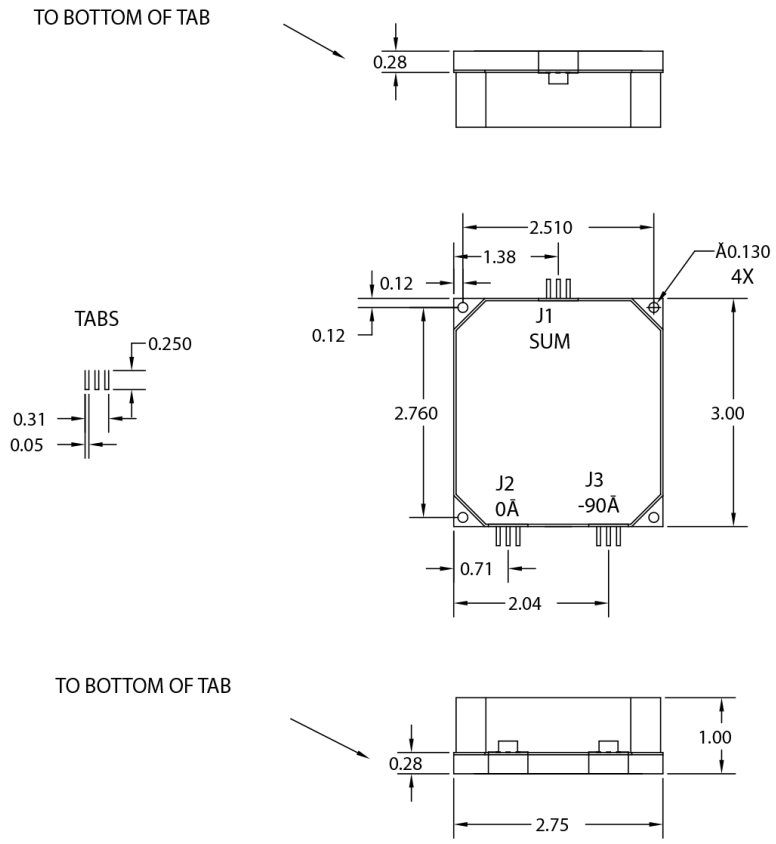
Phase Balance:



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