



WERLATONE

SINCE 1965

Werlatone, Inc.
2095 Route 22
PO Box 47
Brewster, NY 10509
845.279.6187
FAX.279.7404
www.werlatone.com

-3 dB Hybrid Coupler (Drop-In)

Model QH7785

Frequency: 200-1000 MHz

Power: 100 W CW

Insertion Loss: 0.5 dB Max.

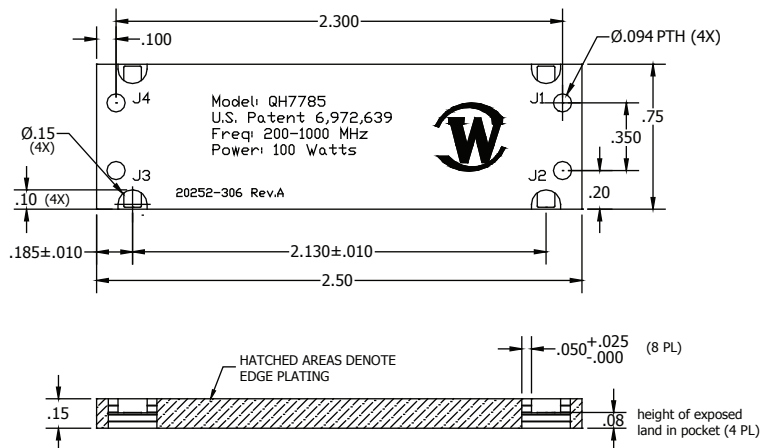
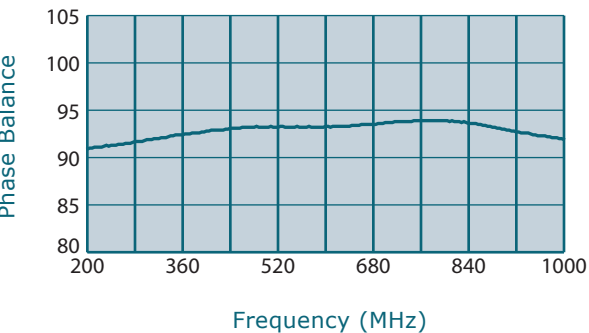
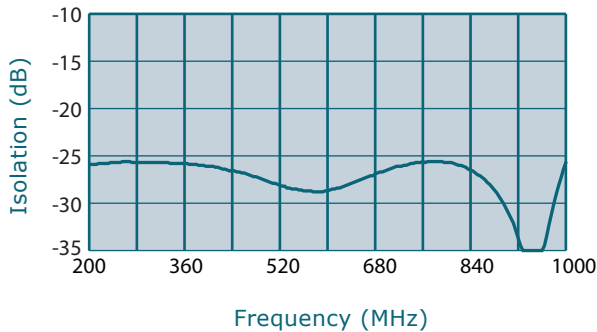
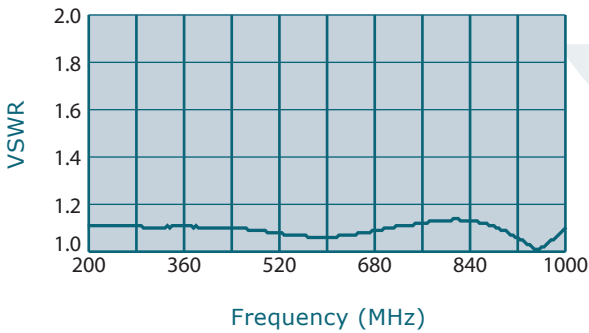
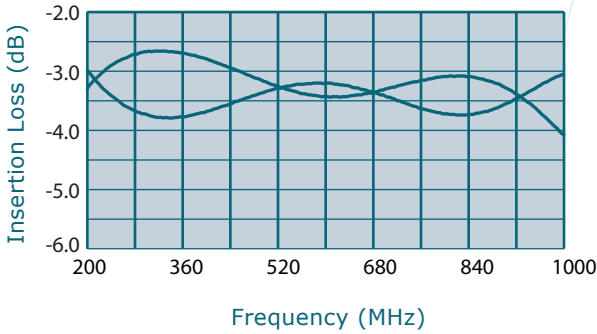
VSWR: 1.30:1 Max.

Isolation: 20 dB Min.

Phase Balance: 90 ±5° Max.

Amplitude Balance: ± 0.6 dB Max.

- Operating Temperature: -55° to +85° C
- All specifications guaranteed.



NOTES: UNLESS OTHERWISE SPECIFIED

1. SURFACE FINISH: 40 ± 15 micro-INCHES IMMERSION TIN IAW IPC 4554.
2. MOUNT COUPLER FLUSH WITH HEATSINK.
3. STRIPLINE STRUCTURE HAS EXPOSED COPPER LANDS. PCB MUST HAVE A CUTOUT TO ACCOMMODATE PART. ALIGN 50 Ohm LANDS WITH .08" EXPOSED LAND AND MAKE SOLDER JOINT WITH LEAD (NOT SUPPLIED).

high power RF devices

ort Configurations			
J1	J2	J3	J4
Sum (Σ)	-3 dB $\angle \theta$	-3 dB $\angle \theta - 90^\circ$	Isolated (Δ)
-3 dB $\angle \theta$	Sum (Σ)	Isolated (Δ)	-3 dB $\angle \theta - 90^\circ$
-3 dB $\angle \theta - 90^\circ$	Isolated (Δ)	Sum (Σ)	-3 dB $\angle \theta$
Isolated (Δ)	-3 dB $\angle \theta - 90^\circ$	-3 dB $\angle \theta$	Sum (Σ)