Precision 3-Stub Tuner, WR284

GAE's family of Precision 3-Stub Tuners are designed for load impedance matching in high power microwave heating systems. Their simple yet rugged design makes these tuners ideal for a variety of laboratory, production and OEM applications.

The stubs are spaced at 1/4 guide wavelength intervals and offset 1/16 guide wavelength from center. This configuration is capable of tuning a broader range of impedances than standard tuners having no offset.

A precision drive mechanism and locking multi-turn dial are provided on each tuning stub enabling highly accurate and repeatable tuning. The stub housings are designed with 1/4-wave reactive chokes allowing use in high “Q” applications.

Model GA1009 also features the popular WR284 Q-D (quick-disconnect) round flange that uses the convenient single screw clamp (model GA8410) for waveguide connections.

**General Specifications:**

- **Waveguide:** WR284
- **Flange:** UG584/U
- **Frequency:** 2450 MHz +/- 50 MHz
- **Power (continuous):** 3 kW
- **Impedance Matching:** 3 stubs with 1/4-wave chokes on 1/4 guide wavelength spacing
- **Construction:** Aluminum waveguide and stubs
- **Finish:** Chemical conversion coating; textured black paint

**Options:**
- Flange interlock switches
- Water cooling

---

**Dimensions:**

- 9.00 [229]
- 2x 2.27 [58]
- 1.66 [42]
- 4.60 [117]
- Ø5.31 [135]

PO Box 580816 • Modesto, CA 95358 • USA
Phone: +1-209-527-8960 • Fax: +1-209-527-5385
E-mail: sales@2450MHz.com • Web: www.2450MHz.com

Updated 09AUG07