GAE’s family of Basic 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 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.

Spring-loaded locking nuts allow adjustment during high power operation and ensure a secure stub position setting. The stub housings are designed with reactive chokes allowing use in high “Q” applications.

Model GA1010 features the popular WR284 Q-D (quick-disconnect) round flange that uses the convenient single screw clamp (model GA8401) for waveguide connections.

**General Specifications:**
- Waveguide: WR284
- Flange: UG584/U with taper
- Frequency: 2450 MHz ± 50 MHz
- Power (continuous): 3 kW
- Impedance Matching: 3 stubs on 1/4 guide wavelength spacing
- Construction: Aluminum waveguide and stubs
- Finish: Chemical conversion coating all over, textured black paint

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

![Diagram of Basic 3-Stub Tuner, WR284](image)

**Dimensions:**
- 9.00 [228.6]
- 2x 2.27 [57.7]
- 1.66 [42.1]
- 3.58 [90.8] (MAX)
- Ø5.31 [134.9]