

Basic 3-Stub Tuner, WR284

GERLING

Model GA1010

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.

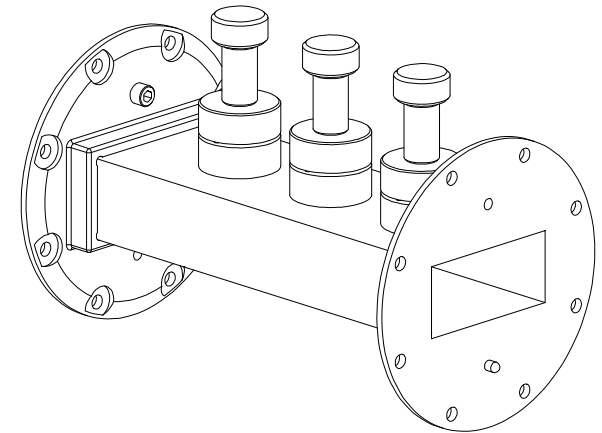
The stubs are spaced at 1/4 guide wavelength intervals and offset 1/16 guide wavelength from center. This configuration is capable of tuning a broader range of impedances than standard tuners having no offset.

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.

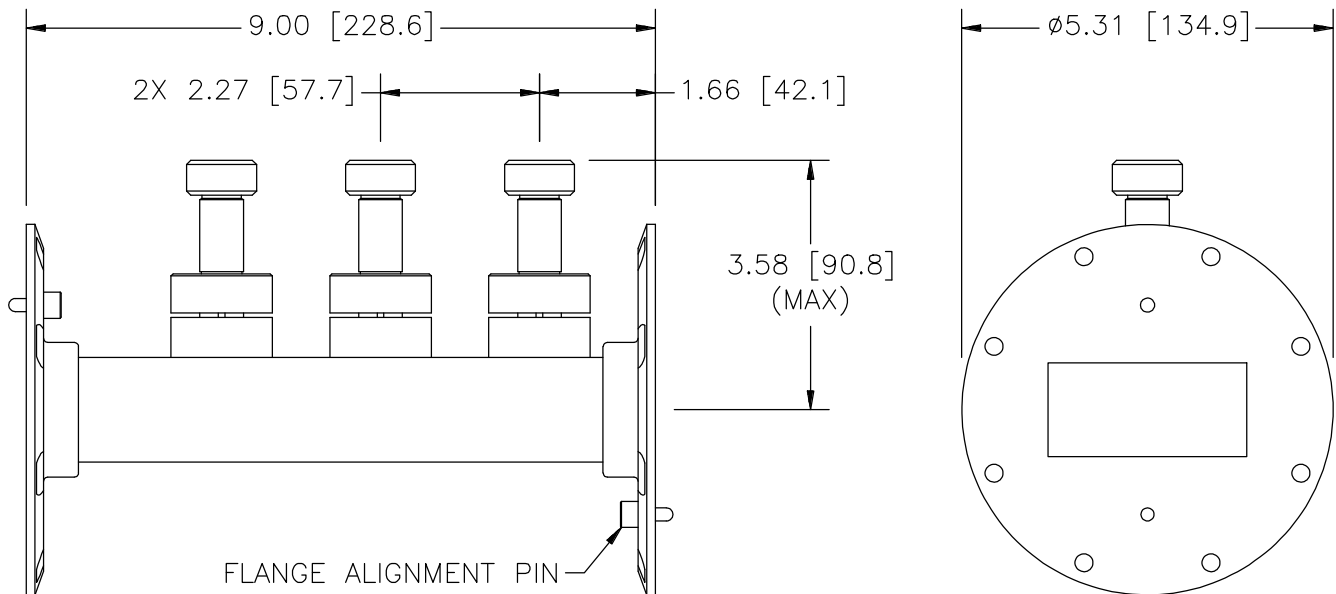
General Specifications:

| | |
|--------------------|--|
| 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



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All dimensions are in inches [millimeters].

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