Basic High Power E-H Tuner

GAE’s family of basic high power E-H tuners are an economical means for load impedance matching in high power microwave heating systems. These E-H tuners are particularly useful under conditions of combined high power and high VSWR in which conventional stub tuners are more likely to cause voltage breakdown and arcing. The non-contacting sliding plungers of the E-H tuner employ a 1/4-wave choke structure allowing adjustment while under high power operation. The plunger is adjusted using a sliding actuator rod which can be locked in the desired position using a clamping collar. The simple yet rugged design of the E-H tuner makes them ideal for a variety of laboratory, production and OEM applications.

**General Specifications:**

- **Waveguide**
  - WR284 (GA1011)
  - WR340 (GA1012)
  - WR430 (GA1013)
- **Flange**
  - UG1725/U (GA1011)
  - UG554/U (GA1012)
  - UG437B/U (GA1013)
- **Frequency**
  - 2450 MHz +/- 50 MHz
- **Power (continuous)**
  - 3 kW (GA1011)
  - 6 kW (GA1012, GA1013)
- **Construction**
  - Dip brazed aluminum waveguide, steel adjusting rod
- **Finish**
  - Chemical conversion coating on waveguide

**Options:**
- Heli-Coils or studs on flanges (any combination)
- Flange interlock switches