Dummy Load w/Coupler, WR430

GAE's line of high power and compact dummy loads have the highest ratio of power capacity to size of any commercially available load. These loads are most often used with circulators in an isolator configuration, but they are also useful as phantom loads for testing and calibration as well as traveling wave and variable Q applicators. A standard feature of the GA1232/9 is a coupler probe for measuring incident microwave power. When used with a standard 3-port circulator in an isolator configuration the GA1232/9 provides an economical means of monitoring reflected microwave power.

Model GA1232/9 uses water as the absorptive medium which flows through an internal dielectric insert. This design provides good performance and long life at up to 15kW/30kW continuous input power. The brass water connections minimize corrosion from harsh water supplies to further enhance reliability and life. The dielectric insert can be replaced easily by the user in the event of damage.

**General Specifications:**
- **Frequency:** 2450 MHz nominal
- **Input Power**
  - GA1232: 15 kW continuous max.
  - GA1239: 30 kW continuous max.
- **Waveguide:** WR430 (RG105/U)
- **Input Flange:** CPR430 (UG1711/U)
- **Return Loss:** 20 dB min. @ 2450 MHz
- **Coupler Probe:** Type N Female
- **Coupling Factor:** 60 dB +/- 1 dB
- **Water Connections:** 3/8 NPT Female
- **Water Flow:** .26 gpm (1 lpm) per kW input power, 70 psi max. inlet pressure
- **Construction:** Dip brazed aluminum body, dielectric insert, brass water connections
- **Finish:** Clear chemical film (Alodine)

**Options:**
- Flange interlock switch
- Water connection fittings (various types available)
- Alternate coupling factor

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