

Dummy Load, 5kW, 915 MHz, EIA 1-5/8 Coax

GERLING

Model GA1238

The GA1238 Dummy Load is a part of GAE's line of compact and light weight 915 MHz components designed for high power microwave heating applications. As a coaxial transmission line load, the GA1238 is ideal for use in laboratory research and production process systems where traditional waveguide components are unsuitable due to their size and weight. It is often used with circulators in an isolator configuration, and is also useful as a phantom load for testing and calibration as well as traveling wave and variable Q applicators.

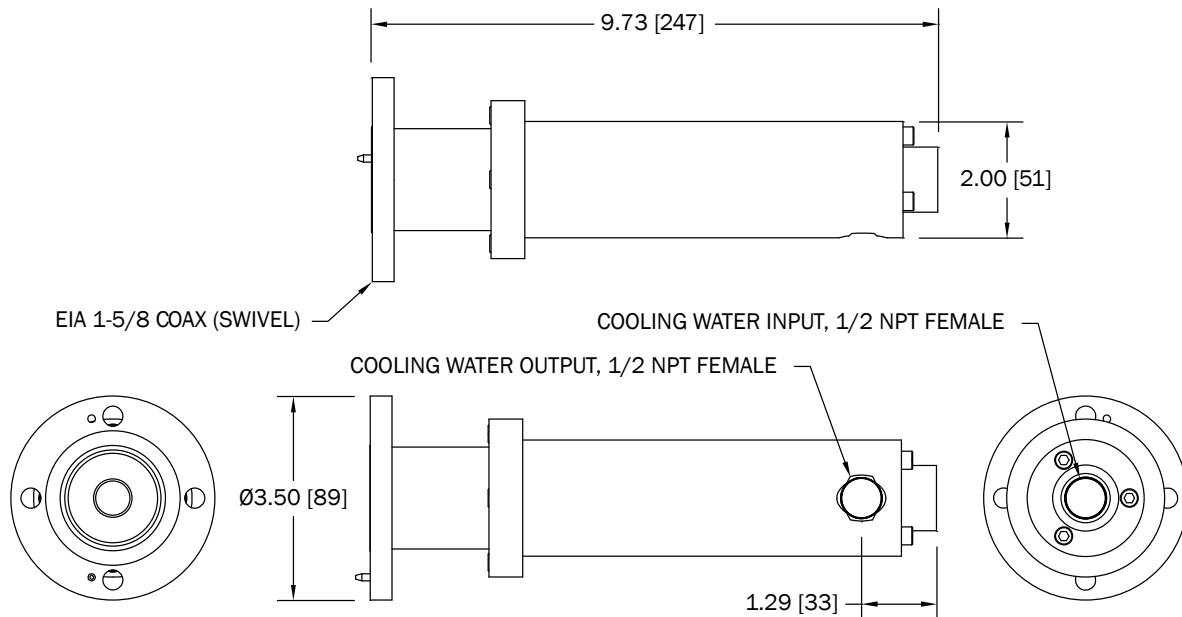
Model GA1238 uses a combination of water and a dielectric film resistor as the absorptive mediums. Ordinary tap water is recommended while glycol solutions may also be used. This design provides good performance and long life at up to 5kW continuous input power. The plated brass water connections minimize corrosion from harsh water supplies to further enhance reliability and life. The resistive load element can be replaced by the user in the event of damage.

General Specifications:

Frequency	915 MHz nominal
Input Power	5 kW continuous max.
Input Flange	EIA 1-5/8 Coax (swivel)
Impedance	50 Ohm
Return Loss	20 dB min. @ 915 MHz
Water Connections	1/2 NPT Female
Water Flow	2.0 gpm (7.6 lpm) minimum, 75 psi (517 kPa) max. inlet pressure
Pressure Drop	6 psi (41 kPa) @ 2 gpm (7.6 lpm) flow rate
Construction	Aluminum body, dielectric insert, plated brass water connections
Finish	Clear chemical film (Alodine)

Options:

- ◆ Flange interlock switch
- ◆ Water connection fittings (various types available)



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