

# High Power Dummy Load, 6kW, WR340

GERLING

## Model GA1228

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.

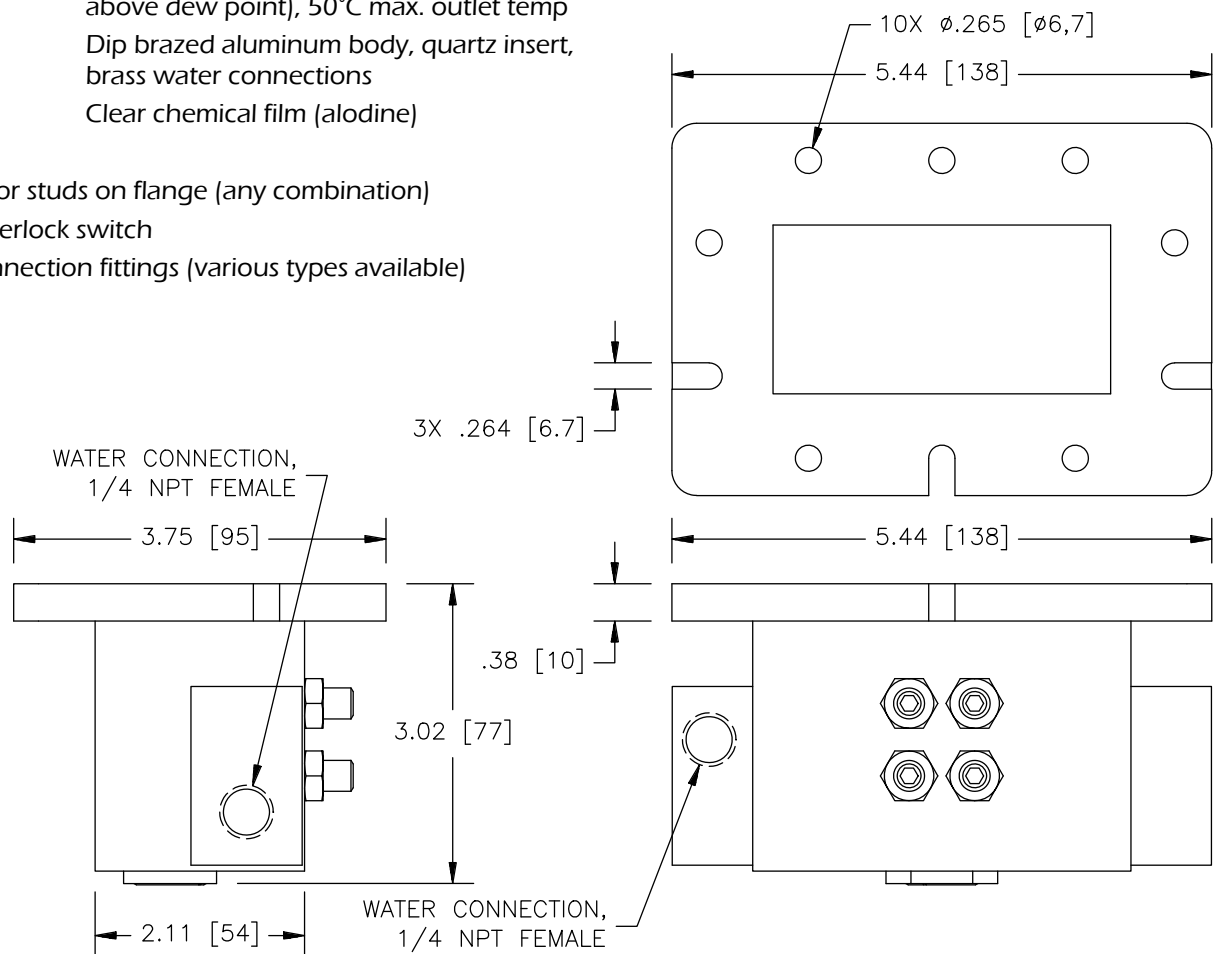
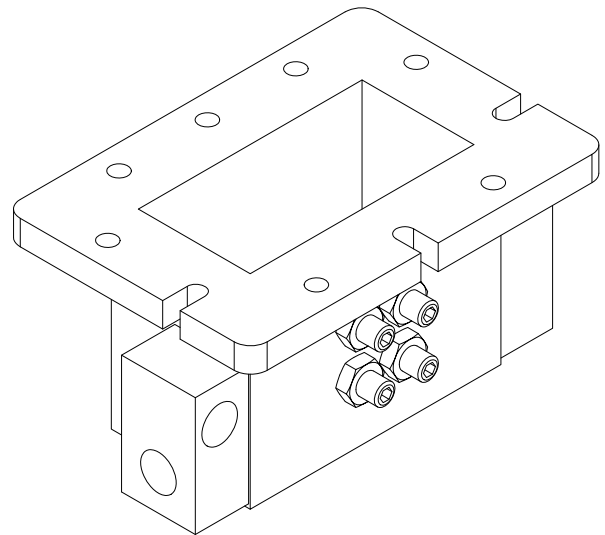
As with all GAE dummy loads, model GA1228 uses water as the absorptive medium flowing through an internal quartz tube. This design provides good performance and long life at up to 6kW continuous input power. The brass water connections minimize corrosion from harsh water supplies to further enhance reliability and life. The quartz tube insert can be replaced easily by the user in the event of damage.

### General Specifications:

Frequency	2450 MHz +/- 20 MHz
Input Power	6.5 kW continuous, 10 kW peak max.
Waveguide	WR340 (RG113/U)
Input Flange	UG1713/U
Return Loss	23 dB min. @ 2450 MHz
Water Connections	1/4 NPT Female
Water Flow	2.0 gpm nominal, 145 psig (1 MPa) max. inlet pressure, 10-35°C inlet temp (must be above dew point), 50°C max. outlet temp
Construction	Dip brazed aluminum body, quartz insert, brass water connections
Finish	Clear chemical film (alodine)

### Options:

- ◆ Heli-Coils or studs on flange (any combination)
- ◆ Flange interlock switch
- ◆ Water connection fittings (various types available)



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