5307 High Power Load

Specifications

- **Average Power:** 150 Watts
- **Peak Power:** 1250 Watts
- **Impedance:** 50 Ohm nominal
- **Maximum VSWR:**
  - DC - 1 GHz: 1.10
  - 1 - 2 GHz: 1.25
- **Resistive Element:** Thick film
- **Substrate:** Beryllia
- **Top Plate:** Alumina
- **Mounting Flange:** Copper, nickel plated
- **Contact:** Copper, silver plated

Dimensional Drawing

inches (mm)

Notes

- Average power is based on a heat sink temperature of 100°C.
- Peak power is based on a 100 microsecond pulse width and 1% duty cycle.
- Derate average power linearly from 150 watts at 100°C to 0 watts at 150°C.
- Many of these products are available in Aluminum Nitride. Contact the factory for more information.