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Product Application > Power Terminations and Loads > 1000 - 10,000 Watts > **8635 Series**

Markets:

 Broadcast  Special  Public Safety  SemiConductor  Wireless

8635 Series Moduload® RF Coaxial Termination

10 kW, Forced-Air Cooled, 1-5/8 EIA Flg.

- Forced-air heat exchanger cooled load for high-power applications up to 1 GHz.
- Compact, low-profile design saves space in crowded transmitter sites.
- Manufactured with 1-5/8 EIA Flange connector.
- Interlock control circuit provides fail-safe protection of the transmitter and load resistor in the event of an ac power failure to the blower or coolant pump.



The 8635 Series load is available in models to work with 115 or 230 volts at 50 60 Hz. This compact high-power 50-ohm termination efficiently dissipates up to kW of RF over a wide frequency range up to 1 GHz. The RF input connector is located in the center of the side of the nearly cube-shaped unit.

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Support Tools:

[Operation Manual](#)
[Operation Manual](#)

Product Specifications:

| | |
|-----------------------------------|---|
| AC Power: | 115 V models: 9 1/2 A nominal @ 115V ± 10% 60Hz; 230 V models: 4 3/4 A nominal @ 230V ± 10% 50Hz |
| Ambient Temperature Range: | (per power level and coolant mix) ≤10 kW: (35% Water) +5°C to +45°C; ≤10 kW: (35% Ethylene Glycol/65% Water) -20°C to +35°C |
| Connector: | 1-5/8 EIA Flange |
| Coolant: | 10 pts (4.75 liters) 100% water or 65% water/35% industrial Ethylene Glycol. With forced-air cooling |
| Finish: | Gray powder coat |
| Frequency Range and VSWR: | 1.1 max. 1kHz to 1000 MHz (DC for continuity checks) |
| Nominal Size: | 22 1/8" L x 15 15/16" W x 15 13/16" D, (562 x 405 x 402 mm) |
| Operating Position: | Horizontal only |
| Power Rating: | 10 kW continuous |
| Weight: | 110 lbs. (50 kg) |