# Item # 8401 600 Watt, Oil-Cooled Terminations

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## 600 Watt, Oil-Cooled Terminations

The 8401 Termaline Load Resistor is a portable, self-contained general purpose 50 ohm coaxial transmission line termination requiring no outside power source or additional equipment. It provides accurate, dependable, and practically nonreflective termination for testing and adjusting transmitters under nonradiating conditions. The load consists essentially of a cylindrical film type resistor immersed in a dielectric coolant. The resistor, individually selected for its accuracy, is enclosed in a special tapered housing which provides a linear reduction in surge impedance directly proportional to the distance along the resistor. This produces the uniform, practically reflectionless line termination from dc to 3 GHz.

- Rugged portable Bench load for medium power base station RF testing up to 3 GHz
- Oil-assisted convection cooling for safe, continuous operation up to 600W full rated power
- Quick Change (QC) connectors to minimize the need for adaptors when making critical measurements
- Low-profile housing with handle and rubber feet for trouble-free operation in the most demanding environments

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Manual (PDF)

Declaration of Conformity (PDF)

**Accessories**



Quick Change (QC) Solderless Connectors



5-030-3
Refined Mineral Oil

**Specifications**

| | |
|---|---|
| **Power Rating (Watts)** | 600 continuous |
| **Frequency Range and VSWR** | DC to 1 GHz at 1.1 max, 1 Ghz to 2.8 GHz at 1.2 max., 2.8 GHz to 3 at 1.3 max |
| **Load Coolant** | 0.7 gal (2.65 liters) Refined Mineral Oil |
| **Product Type** | Oil-Cooled |
| **Ambient Temp Range [°C (°F)]** | -40°C to +45°C |
| **Operating Position** | Horizontal only |
| **Connector** | QC Type (N-Type (F) supplied) |
| **Finish** | Gray powder coat |
| **Nominal Size [inch (mm)]** | 16 13/16" H x 8 1/2" W x 5 15/16" D, (427 mm x 216 mm x 151 mm) |
| **Weight [lbs (kg)]** | 20 lbs. (9.1 kg) |


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