

# BIRD

## 8401 Termaline® RF Coaxial Termination



The Model 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.

### Product Specifications:

<b>Ambient Temperature:</b>	-40°C to +45°C
<b>Connector:</b>	QC type (Female N normally supplied)
<b>Finish:</b>	Gray powder coat
<b>Frequency Range and VSWR:</b>	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
<b>Load Coolant:</b>	0.7 gal (2.65 liters) refined mineral oil
<b>Nominal Size:</b>	16 13/16" H x 8 1/2" W x 5 15/16" D, (427 mm x 216 mm x 151 mm)
<b>Operating Position:</b>	Horizontal only
<b>Power Rating:</b>	600 W continuous
<b>Weight:</b>	20 lbs. (9.1 kg)