

# VECTRONICS

## DL-650M DRY DUMMY LOAD

The Vectronics DL-650M is a dry air cooled resistive dummy load using a tuned hyperbolic cone that is tunable over the frequency range. This feature allows power measurement up to 1000 MHz.

This load is capable of dissipating up to 1500 watts average from DC to 650 MHz. A reasonable cool down period is needed to keep the resistor from becoming permanently damaged. (Typically 10-20 times the load usage.)

### SPECIFICATIONS

|                   |   |
|-------------------|---|
| Impedance:        | 50 Ohms (at operating temperature - 250 C).<br>58 Ohms (at room temperature). |
| VSWR:             | <1.3 DC-300MHz; <1.5 300-650MHz<br><2.0 650-1000MHz                           |
| Power Dissipation | 1500 watts average - up to 20 sec. max. (see chart printed on the unit.)      |
| Duty Cycle        | 20 seconds on at 1500 watts with 200-400 seconds off period.                  |
| Voltage Gradient: | 10 kV per inch  |
| Resistor Type:    | Dispersed carbon particles fired in ceramic matrix.                           |
| Energy Density:   | 700 joules per cubic inch.  |