

## 6700 Series Omegaline Air Cooled RF Coaxial Load Resistor

The OMEGALINE 6700 Series are extraordinary air cooled terminations for 50-ohm coaxial transmission line systems that exhibit excellent and stable RF characteristics during their full range of operating power. The rugged, precision design of the 6700 Series provides reliability, serviceability, safety, convenience, and economy well suited for today's modern RF application.

### FEATURES:

- Silver contacts on special film resistors and clips eliminate resistor failure due to contact resistance and make possible the superior RF performance.
- Easy air ducting, extremely quiet, standby operation, interlock, alarm output, and easy to find replacement components.
- The 6700 Series has set new industry standards for all areas of performance, reliability, and value.

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### Model 6705 Forced Air Cooled

Power Rating: 5kW continuous duty

Impedance: 50 ohms nominal

Frequency Range: DC to 240 MHz

VSWR: 1.10:1 to 110 MHz 1.15:1 to 240 MHz

Input Connectors: 1 5/8" EIA (others available)

AC Power Required: 115 VAC, 60 Hz2A or 230 VAC, 60 Hz2A,  
(50 Hz available)

Nominal Dimensions

(Including Conn.): 13" x 13" x 51 1/4" H (33cm x 33cm x 1.31m)

Nominal Weight: 50 lbs. (23 kg)

Finish: Beige Splatter



### **Forced Air Cooled Model 6710**

Power Rating: 10kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
VSWR: 1.10:1 to 110 MHz 1.15:1 to 240 MHz  
Input Connectors: 1 5/8" EIA Flange or 3 1/8" Unflanged  
(others available)  
AC Power Required: 115 VAC, 60 Hz6A or 230 VAC, 60 Hz2A,  
(50 Hz available)  
Nominal Dimensions  
(Including Conn.): 19" x 19" x 54 1/4" H (48cm x 48cm x 1.38m)  
Nominal Weight: 90 lbs. (41 kg)  
Finish: Beige Splatter



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### **Forced Air Cooled Model 6715**

Power Rating: 15kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
VSWR: 1.10:1 to 110 MHz 1.15:1 to 240 MHz  
Input Connectors: 3 1/8" EIA Flange or 3 1/8" Unflanged  
(others available)  
AC Power Required: 115 VAC, 60 Hz6A or 230 VAC, 60 Hz2A,  
(50 Hz available)  
Nominal Dimensions  
(Including Conn.): 19" x 19" x 54 1/4" H (48cm x 48cm x 1.38m)  
Nominal Weight: 90 lbs. (41 kg)  
Finish: Beige Splatter



### **Model 6725 Forced Air Cooled**

Power Rating: 25kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
VSWR: 1.10:1 to 110 MHz 1.15:1 to 240 MHz  
Input Connectors: 3 1/8" EIA Flange or 3 1/8" Unflanged  
(others available)  
AC Power Required: 115 VAC, 60 Hz7A or 230 VAC, 60 Hz4A,  
(50 Hz available)  
Nominal Dimensions  
(Including Conn.): 19" x 19" x 76" H (48cm x 48cm x 1.93m)  
Nominal Weight: 136 lbs. (62 kg)  
Finish: Beige Splatter



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### **Model 6735 Forced Air Cooled**

Power Rating: 35kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
VSWR: 1.10:1 to 110 MHz 1.15:1 to 240 MHz  
Input Connectors: 3 1/8" EIA Flange or 3 1/8" Unflanged  
(others available)  
AC Power Required: 115 VAC, 60 Hz12A or 230 VAC, 60 Hz5A,  
(50 Hz available)  
Nominal Dimensions  
(Including Conn.): 19" x 19" x 78" H (48cm x 48cm x 1.98m)  
Nominal Weight: 155 lbs. (71 kg)  
Finish: Beige Splatter



### **Forced Air Cooled Model 6750**

Power Rating: 50kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
VSWR: 1.10:1 to 110 MHz 1.15:1 to 240 MHz  
Input Connectors: 3 1/8" EIA Flange or 3 1/8" Unflanged  
(others available)  
AC Power Required: 115 VAC, 60 Hz12A or 230 VAC, 60 Hz6A,  
(50 Hz available)  
Nominal Dimensions  
(Including Conn.): 24" x 48" x 84" H (61cm x 1.22m x 2.13m)  
Nominal Weight: 290 lbs. (132 kg)  
Finish: Beige Splatter



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### **Forced Air Cooled Model 6775**

Power Rating: 75kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to Freq. above 110 MHz - consult factory  
VSWR: 1.15:1 to 110 MHz  
Input Connectors: 3 1/8" EIA Flange or 3 1/8" Unflanged  
(others available)  
AC Power Required: 230 VAC, 60 Hz12A,  
(50 Hz available)  
Nominal Dimensions  
(Including Conn.): 24" x 48" x 84" H (61cm x 1.22m x 2.13m)  
Nominal Weight: 360 lbs. (163 kg)  
Finish: Beige Splatter



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### **6400 Series Omegaline Air Cooled Coaxial Loads**

Altronic Research introduces a new generation of air dielectric coaxial loads. These loads deliver the same high performance of the 6700 Series in a smaller package. The 6400 Series was designed to operate using static or forced air while exhibiting stable RF characteristics. The small, compact oil free design is a welcome advantage in a busy transmitter area. Applications run from mounting on top of the transmitter to placing them inside the cabinet. Model 640105 is an excellent load for VHF transmitters with separate inputs for the aural and visual ports.

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### Model 6401L Air Cooled

Power Rating: 1kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 220 MHz  
Maximum VSWR: 1.15:1 to 220 MHz  
Input Connectors: N - Female (others available)  
Nominal Dimensions  
(Excluding Conn.): 4 1/2" x 17 5/8" x 10 1/2"  
(11.4 cm x 44.8 cm x 26.7 cm)  
Nominal Weight: 8 lbs. (3.6 kg)  
Finish: Conversion Coating  
Specific frequencies tuned better than 1.1



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### Model FA640105 Fan Assembly

AC Power Required: 115 VAC 60 Hz 1A/230/60 Hz 50Hz  
Nominal Dimensions  
(Excluding Conn.): 11 7/8" x 10 1/2" x 15"  
(30.1 cm x 26.7 cm x 38.1 cm)  
Nominal Weight: 9 lbs. (4.1 kg)  
Finish: Conversion Coating  
Features Interlock, Standby Operation



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### Model 640105 Air Cooled

Power Rating: 1.5kW & 5kW\* continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 220 MHz  
Maximum VSWR: 1.15:1 to 220 MHz  
Input Connectors: N - Female + 1 5/8" EIA Unflanged  
Nominal Dimensions  
(Excluding Conn.): 11 7/8" x 11 3/4" x 17 1/4"  
(30.1 cm x 29.8 cm x 43.8 cm)  
Nominal Weight: 17 lbs. (7.7 kg)  
Finish: Conversion Coating  
Typical application would be for visual and aural for VHF transmitter.  
\* without FA640105 rating is 500 watts and 2.5kW



### Static Air Cooled Model 6401

Power Rating: 1kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
Maximum VSWR: 1.15:1  
Input Connectors: N - Female, 7/8", 1 5/8" EIA (others available)  
Nominal Dimensions  
(Excluding Conn.): 10 1/2" x 9" x 17 1/4"  
(26.7 cm x 22.9 cm x 43.8 cm)  
Nominal Weight: 8 lbs. (3.6 kg)  
Finish: Conversion Coating



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### Forced Air Cooled Model 6403

Power Rating: 3kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
Maximum VSWR: 1.15:1  
Input Connectors: N - Female, 7/8", 1 5/8" EIA (others available)  
AC Power Required: 115 VAC, 60 Hz, or 230 VAC 50/60 Hz  
Nominal Dimensions  
(Excluding Conn.): 10 1/2" x 16" x 17 1/4"  
(26.7 cm x 40.1 cm x 43.8 cm)  
Nominal Weight: 15 lbs. (6.8 kg)  
Finish: Conversion Coating



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### Forced Air Cooled Model 6405

Power Rating: 5kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
Maximum VSWR: 1.15:1  
Input Connectors: N - Female, 7/8", 1 5/8" EIA (others available)  
AC Power Required: 115 VAC, 60 Hz, or 230 VAC 50/60 Hz  
Nominal Dimensions  
(Excluding Conn.): 10 1/2" x 16" x 17 1/4"  
(26.7 cm x 40.1 cm x 43.8 cm)  
Nominal Weight: 19 lbs. (8.6 kg)  
Finish: Conversion Coating



### **Forced Air Cooled Model 6410-15**

Power Rating: 10/15kW continuous duty  
Impedance: 50 ohms nominal  
Frequency Range: DC to 240 MHz  
Maximum VSWR: 1.15:1  
Input Connectors: 3-1/8" EIA Flange or Unflanged  
AC Power Required:  
115 VAC, 50/60 Hz, or 230 VAC 50/60 Hz  
Nominal Dimensions:  
28.5" x 26.9" x 11.3"  
Nominal Weight: 37 lbs.  
Finish: Chromate Conversion Coating

