



Coaxial Dynamics

84000 SERIES

Liquid-Air Loads

Several models of these loads are available to cover CW power ranges of 2.5 through 12.5 kW over a frequency range of DC to 2,400 MHz. A wide variety of configurations are available to meet most applications. Many connectors, thermal switches and blower options are available.

**TERMINATING
RF
LIQUID / AIR
LOADS**

**84000
SERIES**

2.5 kW - 6 kW

5 kW - 12.5 kW



84000 SERIES 2.5 kW - 6 kW DIMENSIONS (excluding connectors)

| Power | H | W | L | Weight |
|--------|---------------|--------------|---------------|-----------|
| | in. (cm) | | | lbs. (kg) |
| 2500 W | 18.00 (45.72) | 7.50 (19.05) | 19.50 (49.53) | 55 (24.9) |
| 3000 W | 18.00 (45.72) | 7.50 (19.05) | 19.50 (49.53) | 66 (29.9) |
| 5000 W | 23.00 (58.42) | 7.75 (19.69) | 19.50 (49.53) | 70 (31.8) |
| 6000 W | 23.00 (58.42) | 7.75 (19.69) | 19.50 (49.53) | 81 (36.7) |

84000 SERIES 5 kW - 12.5 kW DIMENSIONS (excluding connectors)

| Power | H | W | L | Weight |
|----------|---------------|--------------|---------------|------------|
| | in. (cm) | | | lbs. (kg) |
| 5000 W | 27.00 (68.58) | 9.25 (23.50) | 26.00 (66.04) | 180 (81.6) |
| 10,000 W | 34.50 (87.63) | 9.50 (24.13) | 26.00 (66.04) | 210 (95.2) |
| 12,500 W | 34.50 (87.63) | 9.50 (24.13) | 26.00 (66.04) | 210 (95.2) |

Ambient air temperatures for CW power ratings are -40°C to +45°C. *Please Note: 84000 Series loads must operate with fill-plug on top position only.*



Coaxial Dynamics

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NOW ACCEPTING





Coaxial Dynamics



2.5 kW - 6 kW

TERMINATING LOAD RESISTORS
Liquid Dielectric - Air Convection - 50 Ohms

| Model | CW Power Rating | V S W R | Connector |
|-----------|-----------------|-----------------------|----------------|
| 84025-LC | 2500 W | 1.1:1 MAX DC-1000 MHz | LC Female |
| 84025-1 | 2500 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 EIA FI |
| 84025-2 | 2500 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl Rec |
| 84025-3 | 2500 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl |
| 84026-1 | 2500 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 EIA FI |
| 84026-2 | 2500 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl Rec |
| 84026-3 | 2500 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl |
| 84030-LC | 3000 W | 1.1:1 MAX DC-1000 MHz | LC Female |
| 84030-1 | 3000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 EIA FI |
| 84030-2 | 3000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl Rec |
| 84030-3 | 3000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl |
| 84031-1 | 3000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 EIA FI |
| 84031-2 | 3000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl Rec |
| 84031-3 | 3000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl |
| 84050-LC* | 5000 W | 1.1:1 MAX DC-1000 MHz | LC Female |
| 84050-1* | 5000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 EIA FI |
| 84050-2* | 5000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl Rec |
| 84050-3* | 5000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl |
| 84051-1* | 5000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 EIA FI |
| 84051-2* | 5000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl Rec |
| 84051-3* | 5000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl |
| 84060-LC* | 6000 W | 1.1:1 MAX DC-1000 MHz | LC Female |
| 84060-1* | 6000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 EIA FI |
| 84060-2* | 6000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl Rec |
| 84060-3* | 6000 W | 1.1:1 MAX DC-1000 MHz | 1 5/8 Unfl |
| 84061-1* | 6000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 EIA FI |
| 84061-2* | 6000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl Rec |
| 84061-3* | 6000 W | 1.1:1 MAX DC-1000 MHz | 3 1/8 Unfl |

All models are available with optional thermal switches to interface with interlock or other warning circuits.

* These models are forced air cooled.

84000 SERIES OPTIONS

| Model | Description |
|------------------------|---|
| 88200 | Thermoswitch, Normally Closed |
| 88201 | Thermoswitch, Normally Open |
| 88250(2.5-6 kW Loads) | Forced-Air Blower Assembly - specify 115 or 230 VAC |
| 88251(5-12.5 kW Loads) | Forced-Air Blower Assembly - specify 115 or 230 VAC |

Ambient air temperatures for CW power ratings are -40°C to +45°C. **Please Note: 84000 Series loads must operate with fill-plug on top position only.**



5 kW - 12.5 kW

TERMINATING LOAD RESISTORS
Liquid Dielectric - Air Convection - 50 Ohms

| Model | CW Power Rating | VSWR | Frequency Range | Connector |
|------------|-----------------|-------|-----------------|----------------|
| 84055-LC | 5000 W | 1.1:1 | DC-1000 MHz | LC Female |
| 84055-1 | 5000 W | 1.1:1 | DC-1000 MHz | 1 5/8 EIA FI |
| 84055-2 | 5000 W | 1.1:1 | DC-1000 MHz | 1 5/8 Unfl Rec |
| 84055-3 | 5000 W | 1.1:1 | DC-1000 MHz | 1 5/8 Unfl |
| 84056-1 | 5000 W | 1.1:1 | DC-1000 MHz | 3 1/8 EIA FI |
| 84056-2 | 5000 W | 1.1:1 | DC-1000 MHz | 3 1/8 Unfl Rec |
| 84056-3 | 5000 W | 1.1:1 | DC-1000 MHz | 3 1/8 Unfl |
| 84100-LC** | 10,000 W | 1.1:1 | DC-1000 MHz | LC Female |
| 84100-1** | 10,000 W | 1.1:1 | DC-1000 MHz | 1 5/8 EIA FI |
| 84100-2** | 10,000 W | 1.1:1 | DC-1000 MHz | 1 5/8 Unfl Rec |
| 84100-3** | 10,000 W | 1.1:1 | DC-1000 MHz | 1 5/8 Unfl |
| 84101-1** | 10,000 W | 1.1:1 | DC-1000 MHz | 3 1/8 EIA FI |
| 84101-2** | 10,000 W | 1.1:1 | DC-1000 MHz | 3 1/8 Unfl Rec |
| 84101-3** | 10,000 W | 1.1:1 | DC-1000 MHz | 3 1/8 Unfl |
| 84125-LC** | 12,500 W | 1.1:1 | DC-1000 MHz | LC Female |
| 84125-1** | 12,500 W | 1.1:1 | DC-1000 MHz | 1 5/8 EIA FI |
| 84125-2** | 12,500 W | 1.1:1 | DC-1000 MHz | 1 5/8 Unfl Rec |
| 84125-3** | 12,500 W | 1.1:1 | DC-1000 MHz | 1 5/8 Unfl |
| 84126-1** | 12,500 W | 1.1:1 | DC-1000 MHz | 3 1/8 EIA FI |
| 84126-2** | 12,500 W | 1.1:1 | DC-1000 MHz | 3 1/8 Unfl Rec |
| 84126-3** | 12,500 W | 1.1:1 | DC-1000 MHz | 3 1/8 Unfl |

**These models are forced air cooled and come with two thermal switches, one to activate the blower assembly, and the other to interface with interlock or other warning circuits. Equipped with forced-air blower assembly - specify voltage requirements.

Please note: Models 84055 and 84056 come standard with one thermal switch (N/C over-temperature) to interface with interlock or other warning circuits.

FOR MORE INFORMATION CALL TOLL FREE 1-800-COAXIAL (262-9425)

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