



## TERMINATING RF LIQUID-AIR LOADS

### 500 – 1500 WATTS

#### 84000 SERIES Liquid-Air Loads

Several models of these loads available to cover CW power ranges of 500, 600, 1000 and 1500 Watts over a frequency range of DC to 1.0 GHz. At a characteristic impedance of 50 Ohms, the VSWR does not exceed 1.10 to 1.

These loads come equipped with connectors ranging from type "N" Quick Match to 1-5/8". They can be used to terminate AM, FM, TV, CW or Pulse transmissions in coaxial transmission line systems.



600 and 1000 Watt are pictured.

#### TERMINATING LOAD RESISTORS Liquid Dielectric - Air Convection

Model	CW Power Rating	V S W R	Connector
84005-N	500 W	1.10:1 DC-1.0 GHz	N Female
84006-N	600 W	1.10:1 DC-1.0 GHz	N Female
84010-LC/N	1000 W	1.10:1 DC-1.0 GHz	LC & N Female
84010-N	1000 W	1.10:1 DC-1.0 GHz	N Female
84010-NM	1000 W	1.10:1 DC-1.0 GHz	N Male
84010-1	1000 W	1.10:1 DC-1.0 GHz	1 5/8 EIA FI
84010-2	1000 W	1.10:1 DC-1.0 GHz	1 5/8 Unfl Rec
84010-3	1000 W	1.10:1 DC-1.0 GHz	1 5/8 Unfl
84010-4	1000 W	1.10:1 DC-1.0 GHz	7/8 EIA FI
84015-LC	1500 W	1.10:1 DC-1.0 GHz	LC Female
84015-N	1500 W	1.10:1 DC-1.0 GHz	N Female
84015-1	1500 W	1.10:1 DC-1.0 GHz	1 5/8 EIA FI
84015-2	1500 W	1.10:1 DC-1.0 GHz	1 5/8 Unfl Rec
84015-3	1500 W	1.10:1 DC-1.0 GHz	1 5/8 Unfl
84015-4	1500 W	1.10:1 DC-1.0 GHz	7/8 EIA FI

NEWER ITEMS INDICATED IN RED.

Ambient air temperatures for CW power ratings are -40°C to +45°C.

#### 84000 SERIES DIMENSIONS (excluding connectors)

Power	L	W	H	Weight
	In. (cm)			lbs. (kg)
500 W	16.13 (40.97)	6.63 (16.84)	9.00 (22.86)	22.0 (9.98)
600 W	16.13 (40.97)	6.63 (16.84)	9.00 (22.86)	23.0 (10.43)
1000 W	16.19 (41.12)	6.63 (16.84)	9.00 (22.86)	25.0 (11.34)
1500 W	15.85 (40.26)	7.38 (18.75)	13.63 (34.62)	40.0 (18.14)

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

#### 84000 SERIES OPTIONS

Model	Description
88200	Thermoswitch, Normally Closed
88201	Thermoswitch, Normally Open

All loads must operate with vent plug on top position only.