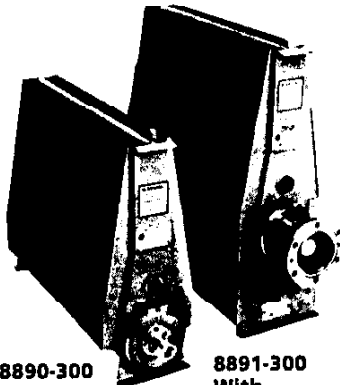


TERMALINE® RF COAXIAL LOAD RESISTORS

OIL DIELECTRIC LOADS



8890-300

8891-300
With
BA-300-115

2.5kW — series 8890-300

SPECIFICATIONS

Power Rating 2500W continuous
Frequency Range & VSWR 1.1 max. dc to 1GHz, 1.25 max. 1 to 2GHz, 1.3 max. 2 to 2.4GHz
Impedance 50 ohms nominal (8896-300 51.5 ohms nominal)
Ambient Temperature Range -40°C to +45°C
Load Coolant 2.9 gal. (11 liters) Silicone Oil
Operating Position Horizontal only
Finish Light Navy grey baked enamel (MIL-E-15090)
NOTE: Overload Thermoswitch P/N 8890-008 is optional

5kW — series 8890-300 with BA-300-115, -230

SPECIFICATIONS

Power Rating 5000W continuous with blower on, 1250W with blower off
Frequency Range & VSWR 1.1 max. dc to 1GHz, 1.25 max. 1-2GHz, 1.3 max. 2-4GHz
Impedance 50 ohms nominal (8896-300 51.5 ohms nominal)
Ambient Temperature Range -40°C to +45°C
Load Coolant 2.9 gal. (11 liters) Silicone Oil with forced air cooling
Operating Position Horizontal only
Finish Light Navy grey baked enamel (MIL-E-15090)
Blower AC Power Model BA-300-115: 115V, 50/60Hz, 0.6A Model BA-300-230: 230V, 50/60Hz, 0.3A

Model	Connector	Overall Length	Weight
8890-300	QC-LC(F)	23½" (587mm)	57 lbs. (26kg)
8892-300	1½" EIA FI	23½" (587mm)	58 lbs. (26kg)
8895-300	1½" Unfl	22¾" (564mm)	58 lbs. (26kg)
8891-300	3½" EIA FI	25½" (638mm)	59 lbs. (27kg)
8896-300	3½" Unfl (Flush Ctr. Cond.)	24½" (626mm)	59 lbs. (27kg)
8897-300	3½" Unfl (Flush Ctr. Cond.)	24½" (626mm)	59 lbs. (27kg)
8898-300	3½" Unfl (Recessed Ctr. Cond.)	24½" (626mm)	59 lbs. (27kg)

Width & Height (all units) 7" x 17½" (178 x 547mm)

Model	Connector	Overall Length	Weight
8890-300+BA-300	QC-LC(F)	23½" (587mm)	70 lbs. (32kg)
8892-300+BA-300	1½" EIA FI	23½" (587mm)	72 lbs. (33kg)
8895-300+BA-300	1½" Unfl	22¾" (564mm)	72 lbs. (33kg)
8891-300+BA-300	3½" EIA FI	25½" (638mm)	73 lbs. (33kg)
8896-300+BA-300	3½" Unfl (Flush Ctr. Cond.)	24½" (614mm)	73 lbs. (33kg)
8897-300+BA-300	3½" Unfl (Flush Ctr. Cond.)	24½" (614mm)	73 lbs. (33kg)
8898-300+BA-300	3½" Unfl (Recessed Ctr. Cond.)	24½" (614mm)	73 lbs. (33kg)

Width & Height (all units) 7½" x 22½" (187 x 560mm)

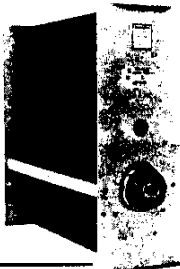
Notes: Overload Thermoswitch P/N 8890-008 is optional. When ordered as a package, the Load and Blower are factory assembled without additional charges.

This series is also available for "Stand-By" service as a "Reject Load" for dual transmitter systems. These loads are equipped with two thermoswitches. One, a normally open switch, closes activating the blower on coolant temperature rise

when power is applied to the load, as when one transmitter fails. The second normally closed switch, is an over-temperature interlock safety switch.

For completely assembled and wired units, order — 8890/91/92/95/97/98-315 for 115V, 50/60Hz units, or 8890/91/92/95/97/98-320 for 230V, 50/60Hz units.

5kW — series 8921



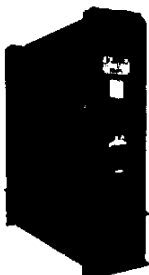
SPECIFICATIONS

Power Rating 5000W continuous
Frequency Range & VSWR 1.1 max. dc to 1000MHz
Ambient Temperature Range -40°C to +45°C
Load Coolant 6½ gals. (25.3 liters) Silicone Oil
Operating Position Horizontal only
Finish Light Navy grey baked enamel (MIL-E-15090)
NOTE: An 8890-008 over-temperature interlock safety switch is included.

Model	Connector	Overall Length	Weight
8921	QC-LC(F)	30¾" (783mm)	119 lbs. (54kg)
8922	1½" EIA FI	30¾" (783mm)	121 lbs. (55kg)
8926	3½" EIA FI	32¾" (832mm)	126.5 lbs. (57kg)
8927	3½" Unfl	31¾" (809mm)	126 lbs. (57kg)

Width & Height (all units) 9½" x 25½" (241 x 656mm)

10kW series 8931-115, -230



SPECIFICATIONS

Power Rating 10kW continuous
Frequency Range & VSWR 1.1 max. dc to 400MHz, 1.20 to 1000MHz
Ambient Temperature Range -40° to +45°C
Load Coolant 6½ gal. (25.3 liters) Silicone Oil with forced air cooling
Operating Position Horizontal only
Finish Light Navy grey baked enamel (MIL-E-15090)
NOTE: Both an 8892-333 blower control switch and an 8890-017 over-temperature interlock safety switch are included.

Model	Connector	Overall Length	Weight
8931-___*	QC-LC(F)	30¾" (768mm)	135 lbs. (61kg)
8932-___*	1½" EIA FI	30¾" (768mm)	137 lbs. (62kg)
8936-___*	3½" EIA FI	32¾" (816mm)	142.5 lbs. (64.8kg)
8937-___*	3½" Unfl	31¾" (793mm)	142 lbs. (64.5kg)

Width & Height (all units) 9½" x 33¾" (241 x 821mm)
 * AC Power 115 or 230V, 50/60Hz (add suffix -115 or -230 to model number)

Bird liquid-dielectric Load Resistors have never been and are not now manufactured with Poly Chlorinated Biphenyls (PCBs).