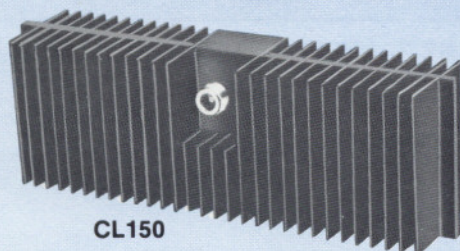
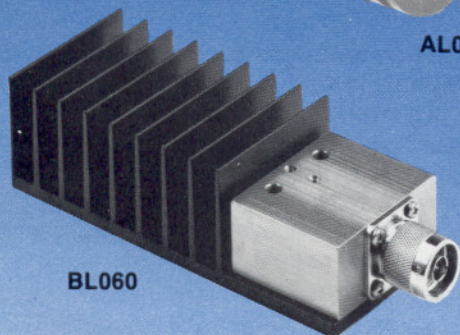
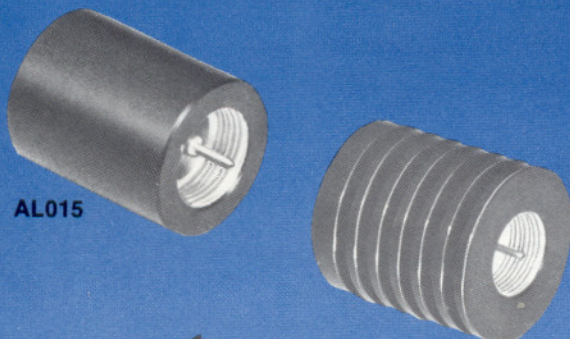


Load Terminations

25
MHz



25-1000 MHz
1 Watt, AL001
15 Watt, AL015
30 Watt, AL030
60 Watt, BL060
150 Watt, CL150
300 Watt, HL300D

Celwave load resistors absorb unwanted reflected power when used with an isolator or circulator. They also are used during adjustment and testing of transmitters in place of an antenna. This series of air dielectric (dry) loads are finished in black and are rated for continuous dissipation of energy from 1 to 300 watts (the BL060 requires minimum one square foot, 2 MIL thick, aluminum heat sink or equivalent). A low maximum VSWR (1.1:1) over the entire 25-1000 MHz frequency range assures low loss performance.

The AL015 (15 watt), AL030 (30 watt), BL060 Series (60 watt) mount directly to their mating connector. The CL150 (150 watt) and HL300D (300 watt) because of their size must be mounted independently and connected through a jumper.

The new BL060 series are improved 60 watt terminations offering options such as a built-in RF sampler, thermal switches and connector flexibility. The RF sampler, a standard feature on the BL060-E, -G and -H versions, provides an observation port to measure reflected power in a combiner channel. This allows periodic examination of active combining systems without turning off any channel except the one being checked or adjusted.

The BL060 series is available with thermal switches (normally closed) with an actuation temperature of 160°F (70°C), specify BL060-DS; or an actuation temperature of 185°F (85°C), specify BL060-P. The switch contacts are rated at 5A (30VAC), 2.5A (125VAC) and have solder tabs for interfacing with a control circuitry.

The various connector options are:

- BL060-G for all TJ and TL style combiners.
- BL060-H for all SJ style combiners.
- BL060-D or -E for all other applications.

Electrical Specifications	AL001	AL015	AL030	BL060*	CL150	HL300D
Power Rating - watts	1	15	30	60	150	300
VSWR, max. (25-1000 MHz)	1.1:1					

Mechanical Specifications	AL001	AL015	AL030	BL060	CL150	HL300D
Dimensions - H x L x W (dia.) - in. (mm)	1 x 5/8 (25 x 16)	1-1/4 x 1 (32 x 25)	1-13/32 x 1-5/16 (35 x 33)	1-9/16 x 6 x 1-3/16 (39 x 152 x 30)	3-1/4 x 9-7/8 x 2-3/8 (83 x 251 x 60)	5 x 9-1/4 x 6-3/5 (127 x 235 x 171)
Weight - lbs. (kg)	0.03 (0.01)	0.1 (0.05)	0.13 (0.06)	.87 (0.39)	2.63 (1.19)	4.75 (2.15)
Connector	BNC (Male)	Type-N (Male)	Type-N (Male)	Type-N (Male)	Type-N (Female)	Type-N (Female)

*The BL060 is available as BL060-S which includes a thermal switch, normally closed (NC) with an actuation temperature of 160°F (71°C). The switch contacts are rated at 5A (30 volts AC)/2.5A (125 volts AC) and have solder tabs for interfacing with control circuitry.

1000
MHz

CELWAVE

U.S. Sales: Route 79, Marlboro, NJ 07746 • Tel. (201) 462-1880 • Telex 4944313 CEL NJ
Hwy. 44 West, P.O. Box 389, Leesburg, FL 32749-0389 • Tel. (904) 787-9200
115 East Watkins Street, Phoenix, AZ 85004-2925 • Tel. (602) 252-8058
941 North Plum Grove Road, Suite B, Schaumburg, IL 60195 • Tel. (312) 843-7511
In Europe: Frejarsvej 30 DK-3400, Hillerød, Denmark • Tel. (02) 26 36 36 • Telex 42164 CEL DK