

Low Distortion Audio Resistors

LD Series



FEATURES

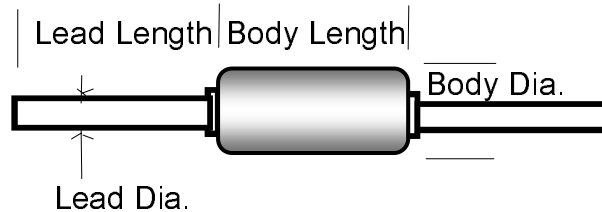
- Extremely low noise, distortion, and inductance
- Low cost
- Epoxy sealed for superior environmental protection
- Ideal for highly automated assembly
- MELF and flat-chip versions available for surface mount applications

DESCRIPTION

RCD's LD resistors are designed for use in high range audio equipment, offering improved tonal qualities. Series LD resistors are precision thin-film construction offering precision performance without the use of magnetic materials which can result in noise and distortion. 2-Watt version in development.

TYPICAL APPLICATIONS

- Audio Amplifiers
- Pre-amplifiers
- Sound studios
- Speaker crossover networks
- Medical monitors

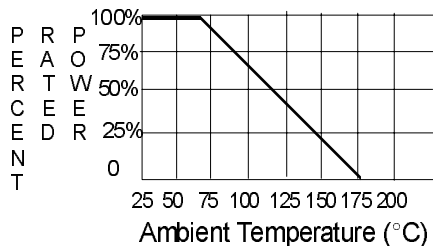


SPECIFICATIONS

RCD Type	Wattage Rating	Voltage Rating	Body Length	Body Diameter	Lead Dia. (Max)	Lead Length (Min)
LD1/8	1/8W	200V	.150 ± .032"	.065 ± .025"	.018"	.94"
LD1/4	1/4W	250V	.280 ± .032"	.105 ± .025"	.025"	1.00"
LD1/2	1/2W	300V	.380 ± .032"	.140 ± .025"	.025"	1.10"
LD1	1W	350V	.575 ± .032"	.180 ± .025"	.032"	1.25"

Derating

(Wattage rating must be derated when operated above 70°C per chart below)



Performance Characteristics

Operating Temperature Range: -55°C to +175°C
 Resistance Range: 10Ω to 1MΩ standard (consult factory for extended range)
 Standard Tolerances: ±0.1%, .25%, .5%, 1% (available to ±0.01%, consult factory)
 Temperature Coefficient: ±100ppm/°C, ±50ppm, and ±25ppm standard (available to ±2ppm)
 Noise: -42dB typ < 1KΩ
 -35dB typ ≈ 10KΩ
 -30dB typ ≈ 100KΩ