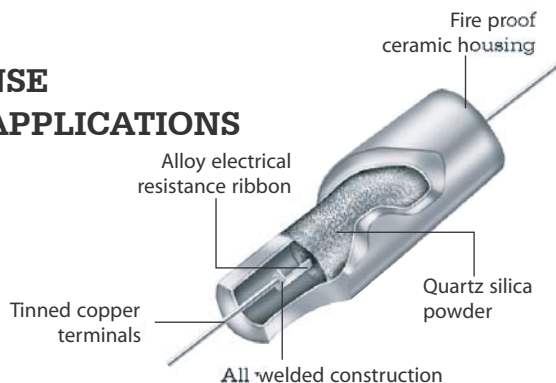




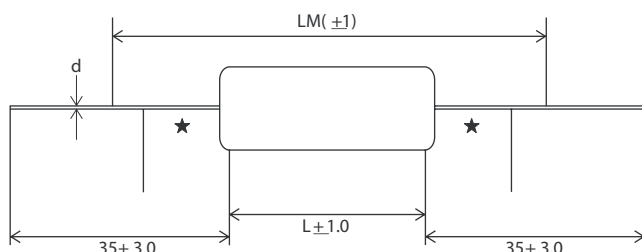
Power ceramic encased resistors

LEADFREE
RoHS Compliant

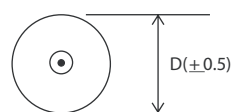
CURRENT SENSE INDUSTRIAL APPLICATIONS



PHYSICAL CONFIGURATIONS



★ 6mm reduced solderability in this area



TYPE	POWER RATING AT 25°C	L (±1mm)	LM (±1mm)	D (±0.5mm)	d (±0.05mm)	RESISTANCE RANGE		WEIGHT PER PC. (gms.)
						MIN	MAX	
LR0.5	0.5W	8	30	3	0.6/0.8	R004	R055	0.25
LR1	1W	10	30	3	0.6/0.8	R005	R10	0.3
LR2	2W	10	30	4	0.8	R005	R10	0.4
LR3	3W	14	40	5	0.8	R0045	R22	1
LR5	5W	22	45	8	1	R0025	R39	2.8
LR10	10W	42	60	9	1	R004	R80	6.1

Resistance values must be checked using 4½ digit micro-ohm meter with four wire system and insulated clips. The resistance value must be checked at dimension LM as given in the table above.

TYPICAL APPLICATION

RL Series is an innovative method of providing low inductance resistors in a cylindrical ceramic body and is increasingly replacing the moulded version.

The resistive element consists of a flat metal band which is spot welded to the copper terminals before encapsulation.

The resistors are finding increasing use in industrial applications where pulse rating and ability to absorb high inrush current are required.

Another important application is Current Sensing in applications which include switching and linear power supplies, instruments & power amplifiers.



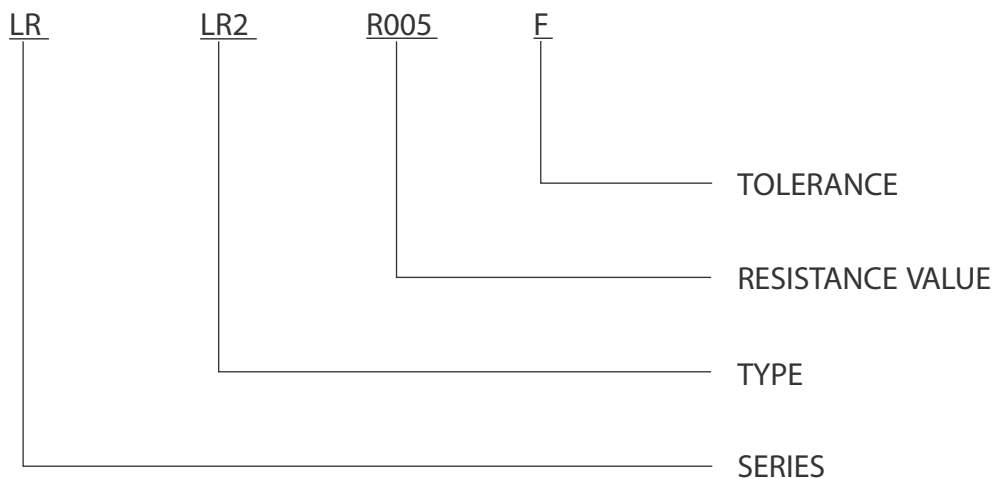
Power ceramic encased resistors

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ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

Test	Performance Requirements
Resistance Tolerance	± 10% (K); ± 5% (J); ± 3% (H); ± 2% (G); ± 1% (F)
Rated ambient temperature	at 25°C full power dissipation derated linearly to zero at 275°C
Insulation resistance	> 1000 Mega Ohms
Short time overload	5 times rated wattage for 5 sec.
Di-electric withstanding voltage	500 Volts r.m.s.
Ambient operating temperature range	-25°C to +155°C
Temperature co-efficient of resistance	± 60ppm/°C to +550ppm/°C depending on resistance value and power rating. (Measured from -55°C to 125°C referenced to +25°C)

ORDERING INFORMATION



NOTE: Type LR0.5 and LR-1 can be supplied with lead diameter of 0.6mm instead of 0.8mm. Please specify at the time of placing the order.

Taping: Types LR0.5, 1, 2, 3, and 5 can be supplied in tape d form. Tape/Reel also possible, please contact factory.