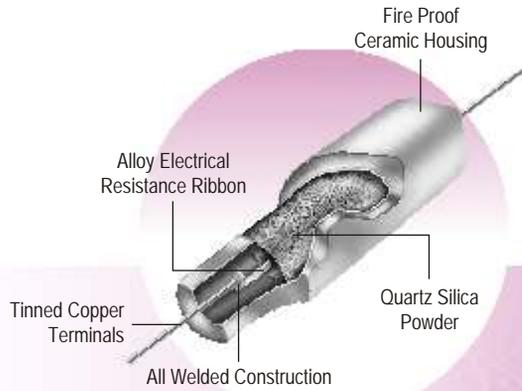




HEAL SERIES

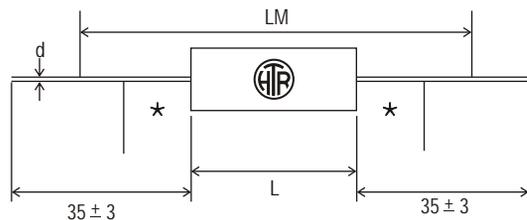
LOW OHM/LOW INDUCTANCE
Current Sense Applications



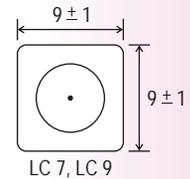
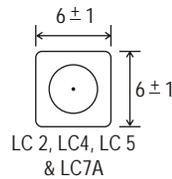
- 2.5 W to 9 W
- R 0025 to R 10



PHYSICAL CONFIGURATION



★ 6mm, reduced solderability in this area



HTR TYPE	POWER RATING at 70°C	DIMENSIONS (mm)			RESISTANCE RANGE		TYPICAL WT. PER PC (gms)
		L ±1.5	LM ±1.0	d ±0.05	min	max	
LC2	2.5 W	15.0	35.0	0.8	R0025	R047	1.6
LC4	4 W	18.0	40.0	0.8	R003	R051	2.0
LC 5	5 W	25.0	45.0	0.8	R004	R068	2.3
LC 7	7.5 W	25.0	45.0	0.8	R004	R068	4.8
LC7A	7 W	38.0	60.0	0.8	R006	R10	4.9
LC 9	9 W	38.0	60.0	0.8	R006	R10	7.3

Resistance values above the maximum range are possible on special request.

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.



ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

Test	Performance Requirements
Resistance tolerance	± 10% [K]; ± 5% [J]; ± 3%[H]; ± 2% [G]; ± 1% [F]
Rated ambient temperature	at 70°C full power dissipation
Insulation resistance	> 1000 M [minimum]
Temperature co-efficient	+200 ppm/ °C to ±1200 ppm/ °C depending on resistance value and power rating. (measured from -55°C to 125°C referenced to +25°C)
Short time overload	Max R ± 2%
Moisture resistance	Max R ± 1% (Average)
Load life	Max R ± 3% (Average)
Ambient operating temperature range	-40°C to +155°C
Flame test	UL specifications have been met satisfactorily.

TYPICAL APPLICATION

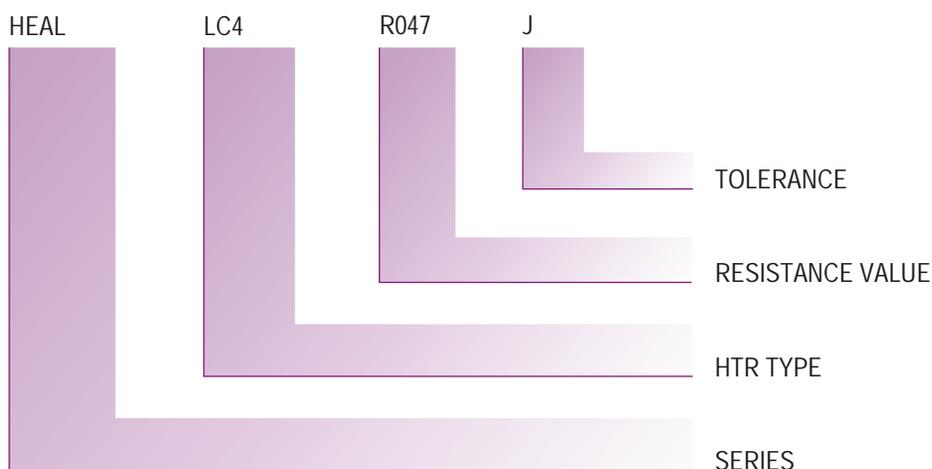
HEAL Series is an innovative method of providing low inductance resistors in a ceramic body.

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

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

For the effective utilisation of these resistors, please refer "[Applications / Design notes for current sense resistors](#)".

ORDERING INFORMATION



Taping: Types LC2, LC4 & LC5 can be supplied in taped form. Please refer to [tape/ammo pack specifications](#) and [tape/reel specifications](#).

Note: Due to recent technological advances, the ceramic cases used may be steatite ceramic or corderite ceramic or high alumina ceramic depending on the nature of the application. Hence the ceramic cases may be off-white or variations of brown and variations of grey; colours which are inherent to these ceramic materials.