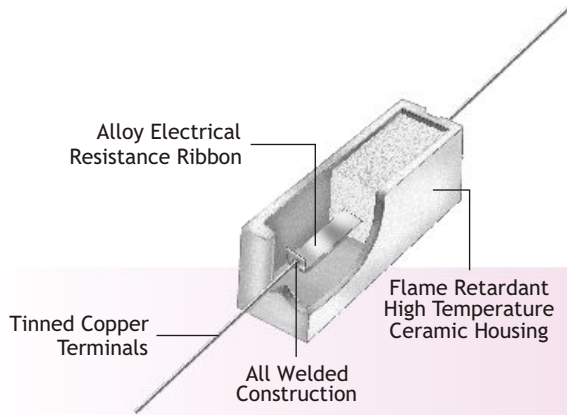




HTR SERIES

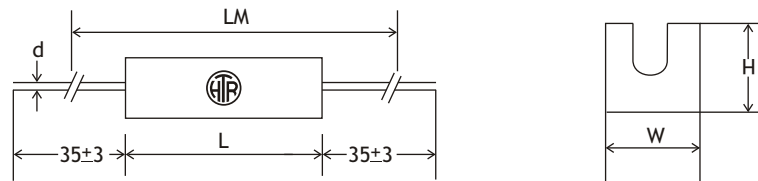
VERY LOW RESISTANCE

Negligible Inductance Power Ceramic Resistors.



- 1 W to 15 W
- R 002 to R 20

PHYSICAL CONFIGURATION



HTR TYPE	POWER RATING at 70°C	DIMENSIONS (mm)					RESISTANCE RANGE		TYPICAL WT. PER PC (gms)
		L ±1.5	LM ±1	W ±1	H ±1	d ±0.05	min	max	
C-1AL	1W	13.0	35	5.5	5.5	0.8	R002	R04	1.4
C-1L	1W	15.0	40	7.5	6.5	0.8	R0025	R045	1.9
C-2L	2W	17.5	40	7.5	7.0	0.8	R003	R081	2.5
C-3L	3W	22.0	45	8.0	8.0	0.8	R004	R10	3.8
C-5L	5W	22.0	45	9.5	9.5	0.8	R004	R10	5.1
C-7L	7W	35.0	60	9.5	9.5	0.8	R005	R15	7.8
C-10L	10W	48.0	65	9.5	9.5	0.8	R007	R20	10.8
C-15L	15W (25°C)	48.0	65	12.5	12.5	1.0	R007	R20	17.8

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

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



ELECTRICAL AND ENVIRONMENTAL CHARACTERISTICS / DATA

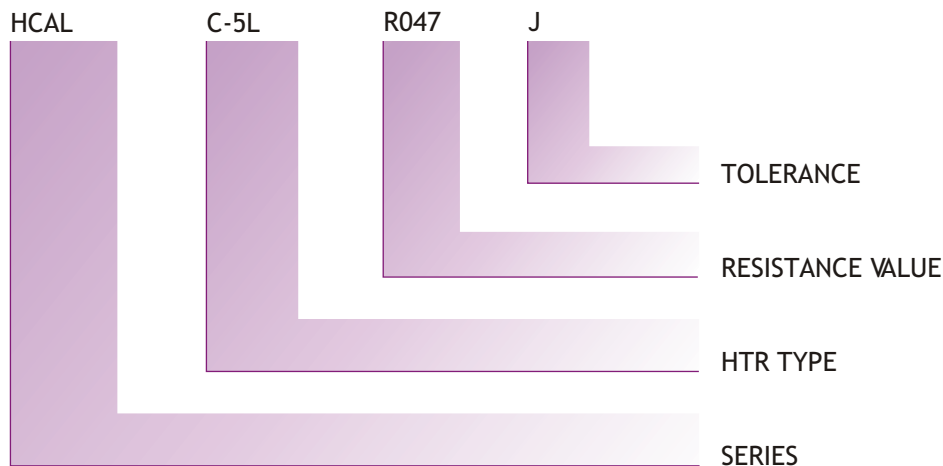
Test	Performance Requirements
Resistance tolerance	± 10% [K]; ± 5% [J]; +3% [H]; ± 2% [G]; ± 1% [F]
Rated ambient temperature	at 70°C full power dissipation.
Insulation resistance	> 1000 M [minimum]
Temperature co-efficient	± 200 ppm/ °C to ± 1200 ppm/ °C depending on resistance value and power rating. (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

HCAL series was evolved in order to overcome the phenomena of inductance inherent in wound resistors. These resistors are finding widespread acceptance where pulse and current sensing are required.

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

ORDERING INFORMATION



PREFORMED LEADS

The resistor terminations can be bent and cut as per requirements for quick PCB mounting. Please send detailed drawing of the type of preforming required.

Note : Due to recent technological advances, the ceramic cases used may be steatite ceramic or cordierite ceramic or high alumina ceramic depending on the nature of 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.