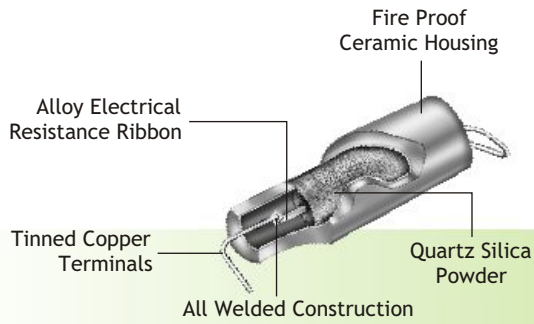




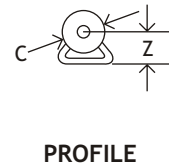
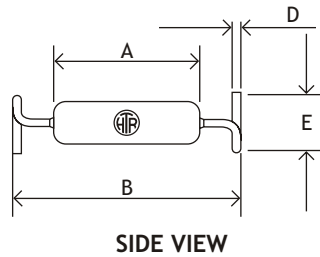
RLS SERIES

POWER TYPE

Power Ceramic Encased Resistors Current Sense
Industrial Applications



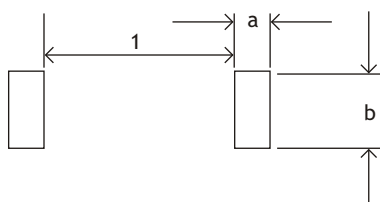
PHYSICAL CONFIGURATION



HTR TYPE	POWER RATING AT 25 °C	DIMENSIONS (mm)						RESISTANCE RANGE		TYPICAL WT. PER PC [gms]
		A (MAX)	B (+1.0)	C (MAX)	D (+0.5)	E (+0.5)	Z (+1.0)	min	max	
RL1.5S	1.5W	10.0	17.0	3.5	0.8	5.0	4.0	R005	R10	0.3
RL3S	3W	14.0	20.0	5.5	0.8	8.0	6.5	R0045	R22	1.0
RL5S	5W	22.0	27.0	8.5	0.8	13.0	9.0	R0025	R39	2.8

IMPORTANT MOUNTING / ASSEMBLY DATA

For the guidance of the Design Engineer, our applications laboratory has given the recommended Pad size and Geometry which is shown below :-



HTR TYPE	DIMENSIONS (mm)		
	a	b	l
RL1.5S	4.0	9.5	13.0
RL3S	4.0	9.5	16.0
RL5S	4.0	16.0	23.5

Resistance value checking to be done using 4½ digit micro ohm meter and insulated clips.



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.
Ambient operating temperature range	-40°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

TYPICAL APPLICATIONS

The introduction of these low ohm / current sense resistors with surface mounting has broadened the scope for designers substantially as they fulfil a long standing demand for surface mount high power resistors for current sense purposes.

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 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.

ORDERING INFORMATION

