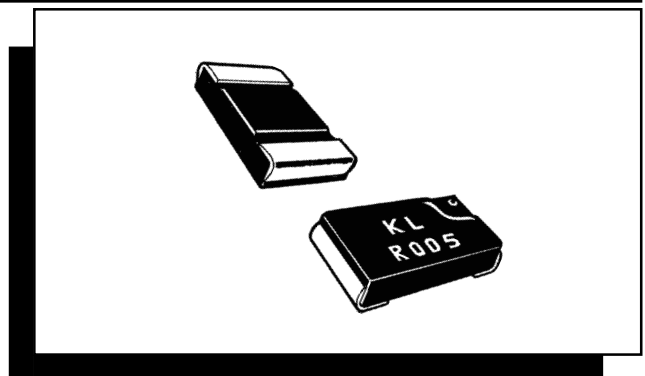


MEGGITT CGS

HIGH VOLTAGE RESISTORS
HIGH VALUE RESISTORS
HIGH POWER RESISTORS
ALUMINIUM CLAD RESISTORS
CURRENT SENSE RESISTORS

SMD Low Ohmic - Current Sense Resistors

TYPE KL SERIES



Meggitt CGS are pleased to offer this unique High Power, metal chip resistor for current sensing positions. It has a special metal resistive element and suitable barrier layers underneath the solder to prolong terminal life. Following the developments by semiconductor manufacturers in the production of a range of IC's for battery charge management and low voltage power supplies, the KL Series satisfies the demand for a low ohmic shunt resistor to act as a current sensor. It has particular applications in the automotive industry for sensing in EMU's.

MEGGITT CGS KEY FEATURES

- LOW COST FOR VOLUME APPLICATIONS
- UP TO 2 WATTS AT 70°C
- SUPPLIED ON TAPE
- IDEAL FOR CURRENT DETECTION
- WIDE VALUE RANGE R005 TO R10 POSSIBLE
- FULLY AUTOMATED MANUFACTURE

ELECTRICAL

1 Watt

2 Watts

Resistance Value Range:

R005 - R10

Stock Values:

R01, R015, R018, R022, R033, R047

Resistance Value Grid:

E24

Resistance Tolerance:

±5%, ±1%

Power Rating:

1 Watt at 70°C (zero at 180°C)

2 Watts at 70°C (zero at

Voltage Rating:

 $\sqrt{\frac{180^\circ\text{C}}{180^\circ\text{C}}}$

Operating Temperature:

Power x Resistance

Inductance:

-55°C to +180°C

T.C.R.

< 5 Nanohenries

Insulation Resistance:

 $R_{\leq} R013 \pm 180\text{ppm}/^\circ\text{C}$ $R_{\leq}, R015 \pm 100\text{ppm}/^\circ\text{C}$

<10,000 Meg Ohms

MECHANICAL

Body Construction:

Fully Welded Element

Terminations:

60/40 Tinned Copper

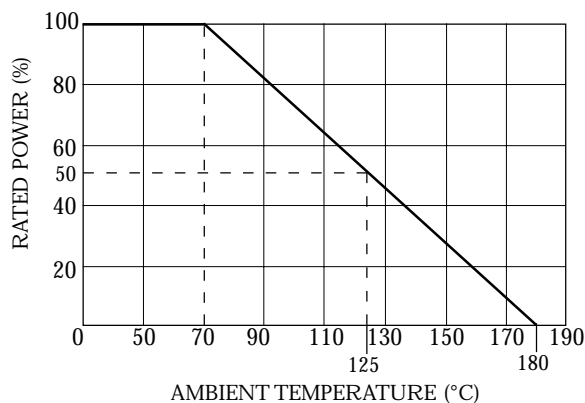
Coating:

Epoxy

POWER RATING CURVE

For resistors operated in ambient temperatures above 70°C, power rating must be derated in accordance with the curve.

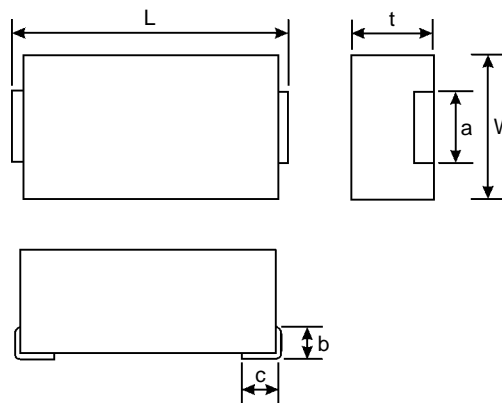
Type	Power Rating
KL3A	1.0 Watts
KL4A	2.0 Watts



DIMENSIONS

Part	KL3A	KL4A
L ± 0.3	6.3	11.5
W ± 0.2	3.1	7.0
t ± 0.2	1.9	2.5
a ± 0.2	2.4	5.0
b ± 0.2	1.2	1.7
c ± 0.3	1.2	2.6

All Dimensions are
Nominal and in mm.
Do Not Scale.



HOW TO ORDER

KL	3A	R10			F	TDG
COMMON PART	POWER RATING	RESISTANCE VALUE			TOLERANCE	PACKAGING
KL - Standard Part	3A - 1 Watt 4A - 2 Watts	0.01 ohm 0.1 ohm	(10 mille ohms) (100 mille ohms)	R01 R10	F - ± 1% J - ±5%	TDG - Taped 2000 on Reel



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