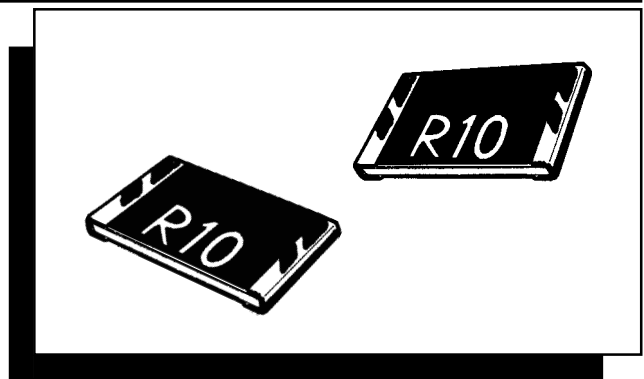


MEGGITT CGS

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

SMD Low Ohmic - Current Sense Resistors

TYPE TL 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 TL 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 1 WATT AT 70°C
 - SUPPLIED ON TAPE
 - IDEAL FOR CURRENT DETECTION
 - WIDE VALUE RANGE R01 TO 1R0 POSSIBLE
 - FULLY AUTOMATED MANUFACTURE
 - 12:06, 20:10 AND 25:12 PACKAGES AVAILABLE
 - AVAILABLE IN DISTRIBUTION
-

SPECIFICATION

TYPE TL SERIES

ELECTRICAL

| | |
|------------------------|---|
| Resistor Value Range: | R006 - 1R0 |
| Stock Values: | R01, R015, R018, R022, R033, R047 |
| Resistor Tolerances: | ±1% |
| Power Rating: | Upto 1 watt at 70°C derating to zero at 170°C |
| Operating Temperature: | -65°C to +170°C |
| Inductance: | < 5 Nanohenries |
| T.C.R. | ±75ppm/°C |

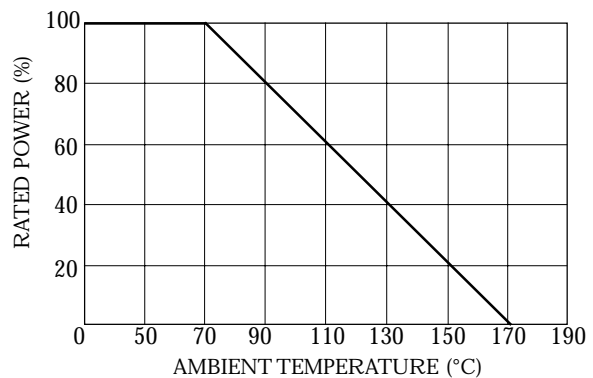
MECHANICAL

| | |
|--------------------|----------------------|
| Body Construction: | Fully Welded Element |
| Terminations: | 60/40 Tinned Copper |
| Coating: | Epoxy |

POWER RATING CURVE

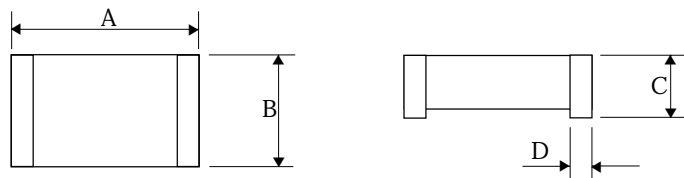
For resistors operated in ambient temperatures above 70°C, power rating must be derated in accordance with the curve.

| Type | Power Rating |
|------|--------------|
| TL2B | 0.25 Watts |
| TL2H | 0.5 Watts |
| TL3A | 1.0 Watts |



DIMENSIONS

| Type | A | B | C | D |
|------|-----|-----|-----|-----|
| TL2B | 3.2 | 1.6 | 0.6 | 0.5 |
| TL2H | 5.1 | 2.5 | 0.6 | 0.5 |
| TL3A | 6.4 | 3.2 | 0.6 | 0.8 |



N.B: Standrad Run Reel Sizes.
 12:06 4000 on 7" Reel
 20:10 X000 on 7" Reel
 25:12 2000 on 7" Reel

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

HOW TO ORDER

| TL | 3A | R60 | F | TE |
|--------------------|--|--|-----------|--|
| COMMON PART | POWER RATING | RESISTANCE VALUE | TOLERANCE | PACKAGING |
| TL - Standard Part | 2B - 12:06 2H - 20:10 3A - 25:12 | 0.006 ohm (6 mille ohm) R006 0.06 ohm (60 mille ohms) R06 0.6 ohm (600 mille ohms) R60 | F ± 1% | TG - Cut Tape Lengths TE - 4000 per Reel TDG - 2000 per Reel |



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