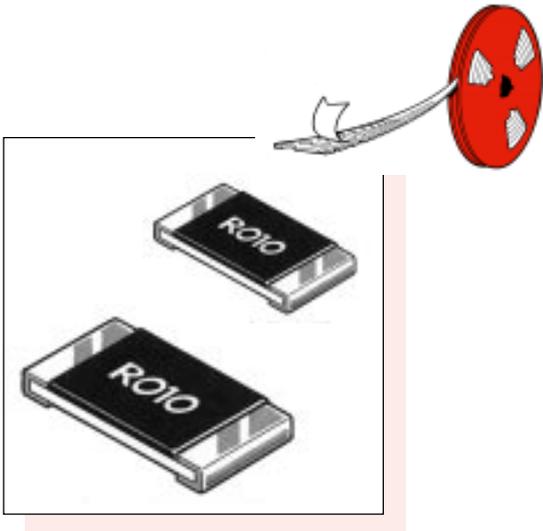


for current sense - epoxy coated



Key features

- low thermal emf
- non inductive
- up to 1 watt dissipation at 70°C
- designed for current sensing
- fully automated manufacture
- ideal for volume applications
- wide value range R01 to 1R0
- new technology

SMD Resistors

type TL series

Meggitt Electronics are pleased to offer this unique High Power, metal chip resistor for current sensing. It has a special solid metal resistive element. Development of a range of IC's for battery charge management and low voltage power supplies need the TL to satisfy 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.

Specification

Electrical

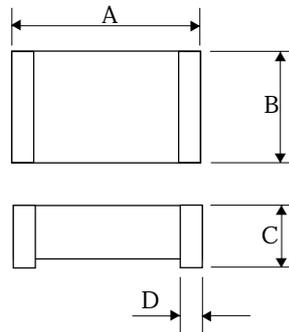
Resistance Value Range:	R01 - R50 (higher by special order)
Resistance Value Grid:	E24
Resistance Tolerances:	±1%
Power Rating @ 70°C:	1 Watt derating to zero at 170°C
Maximum Operating Voltage:	$\sqrt{\text{Power} \times \text{Resistance}}$
Inductance:	< 5 nanohenries
Temperature Coefficient:	75ppm/°C
Short Time Overload:	5 times rated power for 5 seconds

Mechanical

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

Dimensions

Type	A	B	C	D
TL2B	3.2	1.6	0.6	0.5
TL3A	6.4	3.2	0.6	0.8



Packaging:
 TL2B - 4000 Pieces (7" Reel)
 TL3A - 2000 Pieces (7" Reel)

How to Order

Common Part	Package Size	Resistance Value	Tolerance	Pack Style
TL - Standard Part	2B - 12:06 3A - 25:12	0.005 ohm (5 milli ohms) R005 0.05 ohm (50 milli ohms) R05	J - ±5% F - ±1%	TE - Taped 4000/Reel

Please Request Full Data Sheet F0735