



Type LT73 Series

This tiny thin film chip is manufactured by sputtering pure metals onto a high purity alumina base.

This process ensures the element

remains stable in performance over a long life. The LT73 is equally suited to temperature compensation or thermal protection when

appropriate electronics. This range of sensors are finished in a tough

epoxy seal and are available

on tape for high speed auto

within

the

incorporated

placement.

Characteristics -Electrical

Type LT73 Series

	0805 Size (2A)	1206 Size (2B)
Resistance Range:	510R - 3K0	510R - 6K2
Resistance Tolerance:	±5%	±5%
Rated Power at 70°C:	0.1 watt	0.125 watt
Max. Working Voltage @ T _A 70°C:	50 volts	75 volts
Max. Overload Voltage @ T _A 70°C:	100 volts	150 volts
Operating Temperature Range:	-40°C ~ +125°C	-40°C ~ +125°C
TCR Measuring Temperature:	+25°C ~ +75°C (See Graph)	+25°C ~ +75°C (See Graph)
TCR Tolerance:	± 10%	± 10%
Insulation Resistance:	More than 10 Meg	More than 10 Meg
	-	-

Characteristics -Mechanical

Seal Cover:	Orange	
Marking Ink Colour:	Black	

Characteristics -Cleaning

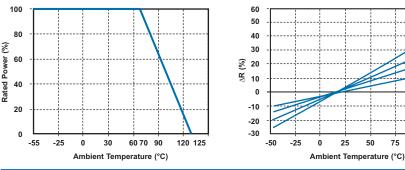
The washing process is very important to ensure long term reliability because ionic impurity from flux may cause electrolytic corrosion of the metal film. Pated Valtage x 2.5 maximum Overland Valtage for 5 seconds Short time Overland

Short time Overload:	whichever is less
Resistance to Soldering Heat:	260°C ± 5°C, 10 seconds ± 1 second
Solderabililty:	235°C ± 5°C, 3 seconds ± 0.5 second

Key Features Stable Alumina Substrate

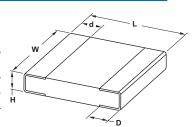
- Solvent Resistant Coating
- Wide Value Range
- Excellent Linearity
- 08 05 Small Size
- Stocked in 3900ppm/°C
- Other TCR's Available to Order
- Supplied on Tape and Reel
- Custom Design Enquiries Welcome

Power Derating



Dimensions

	Chip Size	L	w	н	D	d	Weight /1000
1	2A-08.05	2.0±0.20	1.25±0.2	0.5±0.1	0.4±0.2	0.35±0.15	4.54g
1	2B-12.06	3.2±0.20	1.60±0.2	0.6±0.1	0.5±0.3	0.45±0.15	9.14g



25 50 75 100 125

TCR

4500

3300

2400

1600

(ppm/°C)

How to Ord LT73	er 3900	2A	1R0	J	TE
Common Part	T.C.R	Size	Resistance Value	Tolerance	Pack Style
LT73 - Standard	3000ppm/°C 3900ppm/°C	2A - 0.1W 2B - 0.125W	0.1 ohm (100 milli ohms) R10 1 ohm (1000 milli ohms) 1R0 1K ohm (1000 ohms) 1K0	J ±5%	2A (0805) - TE Taped 4000 per Reel 2B (1206) - TD Taped 5000 per Reel

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Dimensions are shown for reference purposes only.

Dimensions are in millimetres unless otherwise specified. Specifications subject to change.

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