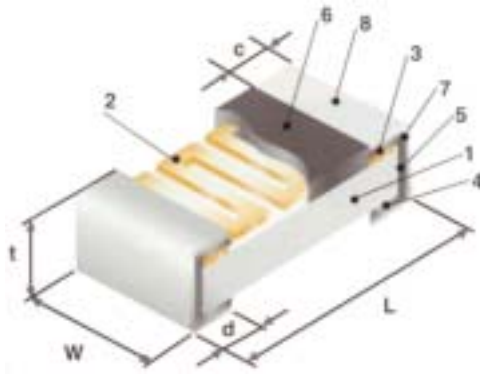


THERMAL SENSORS

LINEAR PTC, THIN FILM

LT 73



STRUCTURE

- 1 Ceramic substrate
- 2 Metal film resistor element
- 3 Top termination
- 4 Bottom termination
- 5 End termination
- 6 Protective layer
- 7 Nickel barrier
- 8 Sn Pb Plating

IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
LT73	Orange	Black, 4 digits

TYPE DESIGNATION (HOW TO ORDER)

Old Part No.	LT73	1000	2A	J		TD	10K		
New Part No.	LT73		2A		L	TD	103	J	1000
	PRODUCT CODE	T.C.R. (ppm/K)	STYLE	RESISTANCE TOLERANCE	TERMINATION SURFACE MATERIAL T: Sn L: Sn/Pb	TAPING*	NOMINAL RESISTANCE 3 digits	RESISTANCE TOLERANCE	T.C.R. (ppm/K)

*Please see "PACKAGING"

FEATURES

- Resistance value changes in linear positive way to temperature
- Suitable for temperature control in various industrial equipment
- 90/10 solder plated terminations
- Anti-leaching nickel barrier terminations
- 25 specific temperature characteristics
- Rated ambient temperature: + 70° C
- Operating temperature range: -40° C ... + 125° C
- Suitable for reflow and wave soldering

DIMENSIONS (mm)

SIZE	TYPE	L ± 0.2	W ± 0.2	t ± 0.1	c	d ^{+0.2} _{-0.1}
0805	LT73 2A	2.0	1.25	0.5	0.4 ± 0.2	0.3
1206	LT73 2B	3.2	1.6	0.6	0.5 ± 0.3	0.4

RATING

SIZE	TYPE	T.C.R.*	POWER RATING	MAX. WORKING VOLTAGE	MAX. OVERLOAD VOLTAGE	T.C.R. TOLERANCE	RESISTANCE RANGE			
							E24 • G (±2%)	E24 • J (±5%)		
0805	LT73 2A	150 • 250 • 350 • 450 • 500 ppm/K	0.1 W	50 V	100 V	± 100 ppm/K	2 kΩ ... 24 kΩ	—		
		600 • 700 • 800 • 900 ppm/K				± 150 ppm/K			1 kΩ ... 20 kΩ	
		1000 • 1200 • 1400 ppm/K				± 15%			1 kΩ ... 13 kΩ	
		1600 • 1800 ppm/K							510 Ω ... 4.7 kΩ	
		2000 • 2200 • 2400 ppm/K				± 10%			510 Ω ... 4.7 kΩ	
		2600 • 2800 ppm/K							—	510 Ω ... 3 kΩ
		3000 • 3300 • 3600 ppm/K							100 Ω ... 1 kΩ	
		3900 ppm/K							51 Ω ... 510 Ω	
		4200 ppm/K				—			—	
		4500 ppm/K							—	
1206	LT73 2B	150 • 250 • 350 • 450 • 500 ppm/K	0.125 W	75 V	150 V	± 100 ppm/K	2 kΩ ... 51 kΩ	—		
		600 • 700 • 800 • 900 ppm/K				± 150 ppm/K			1 kΩ ... 43 kΩ	
		1000 • 1200 • 1400 ppm/K				± 15%			1 kΩ ... 27 kΩ	
		1600 • 1800 ppm/K							1 kΩ ... 10 kΩ	
		2000 • 2200 • 2400 ppm/K				± 10%			510 Ω ... 9.1 kΩ	
		2600 • 2800 ppm/K							—	510 Ω ... 6.2 kΩ
		3000 • 3300 • 3600 ppm/K							—	—
		3900 ppm/K							—	—
		4200 ppm/K				—			100 Ω ... 2 kΩ	
		4500 ppm/K				—			51 Ω ... 510 Ω	

* T.C.R. Measuring Temperature: + 25° C / + 75° C

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.