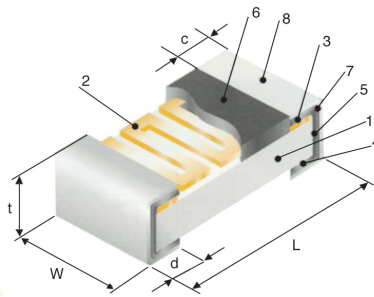


## THERMAL SENSORS LINEAR PTC, THIN FILM LT 73



### 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 Solder plating

### IDENTIFICATION

PRODUCT CODE	COATING COLOR	MARKING
LT73	Orange	Black, 4 digits

Products with Pb-free terminations meet EU-RoHS and China-RoHS requirements

### TYPE DESIGNATION (HOW TO ORDER)

LT73	2A	T	TD	103	J	0600	Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS
PRODUCT CODE	STYLE	TERMINATION SURFACE MATERIAL	TAPING* TD, TE, BK	NOMINAL RESISTANCE	RESISTANCE TOLERANCE	T.C.R. (ppm/K)	
	2A: 0805 2B: 1206	T: Sn (L: Sn/Pb)	*Please see "PACKAGING"	3 digits	G: (±2%) J: (±5%)	4 digits	

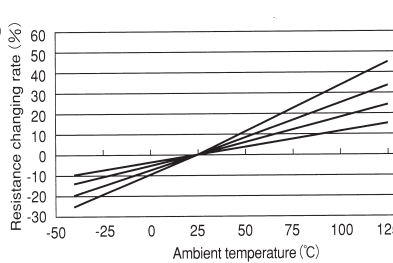
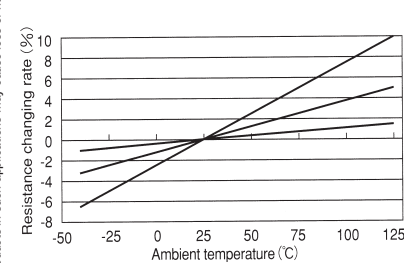
### FEATURES

- SMD metal thin film resistors with thermo-perceptivity
- Resistance value changes in linear positive way to temperature
- Suitable for temperature control in various industrial equipment
- Anti-leaching nickel barrier terminations
- 25 specific temperature characteristics
- Meets or exceeds IEC 60115-8, JIS C 5201-8
- Rated ambient temperature: +70°C
- Operating temperature range: -40°C ... +125°C
- Suitable for reflow and wave soldering

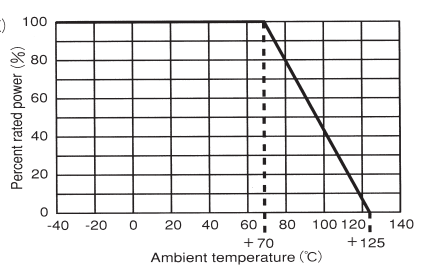
### DIMENSIONS (mm)

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

### EXAMPLES OF TEMPERATURE CHARACTERISTICS



### DERATING CURVE



### 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			
		1000 • 1200 • 1400 ppm/K				± 15%			1 kΩ ... 13 kΩ
		1600 • 1800 ppm/K							
		2000 • 2200 • 2400 ppm/K				± 10%			510 Ω ... 4.7 kΩ
		2600 • 2800 ppm/K							
		3000 • 3300 • 3600 ppm/K							
		3900 ppm/K							
		4200 ppm/K				100 Ω ... 1 kΩ			
		4500 ppm/K							51 Ω ... 510 Ω
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			
		1000 • 1200 • 1400 ppm/K				± 15%			1 kΩ ... 27 kΩ
		1600 • 1800 ppm/K							
		2000 • 2200 • 2400 ppm/K				± 10%			510 Ω ... 9.1 kΩ
		2600 • 2800 ppm/K							
		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

\*\*For resistors operated at an ambient temperature of +70°C or above, the power rating shall be derated in accordance with the above derating curve.

Please contact KOA for special precautions before you order and use this series.

Rated voltage = √(Power rating x resistance value or max. working voltage, whichever is lower).