

POSITIVE T.C.R. CHIP THERMISTORS

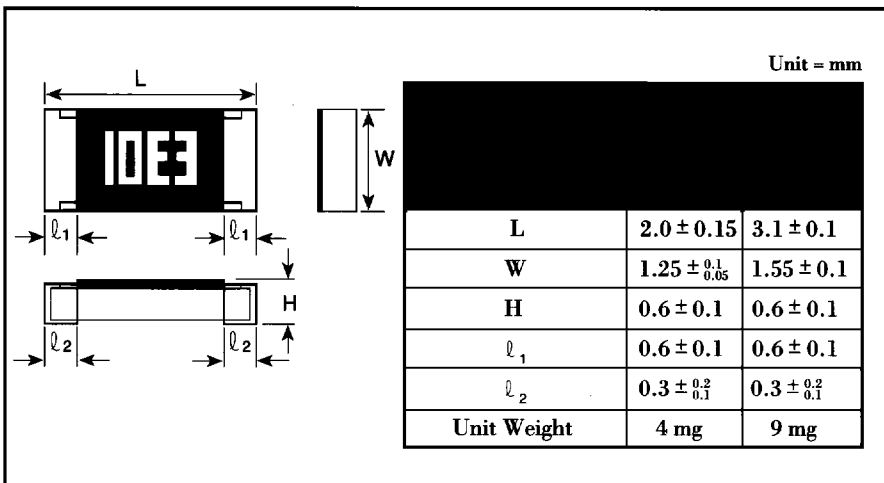
LTC 10, 18

The Kamaya LTC thermistor offers a wide range of thermal sensing characteristics in a small SMD package. This component has a positive temperature coefficient and is useful in applications requiring temperature compensation, temperature sensing or circuit protection. The LTC thermistor can be mounted directly on to a circuit board or similar substrate. It can also be packaged independently for external temperature sensing.

● FEATURES

1. Available in industry standard 0805 and 1206 size packages.
2. T.C.R. available from 500 to 4500 ppm/°C.
3. Excellent solderability with both flow and reflow soldering operations.
4. Resistance and T.C.R. value marked on the chip.

● DIMENSIONS



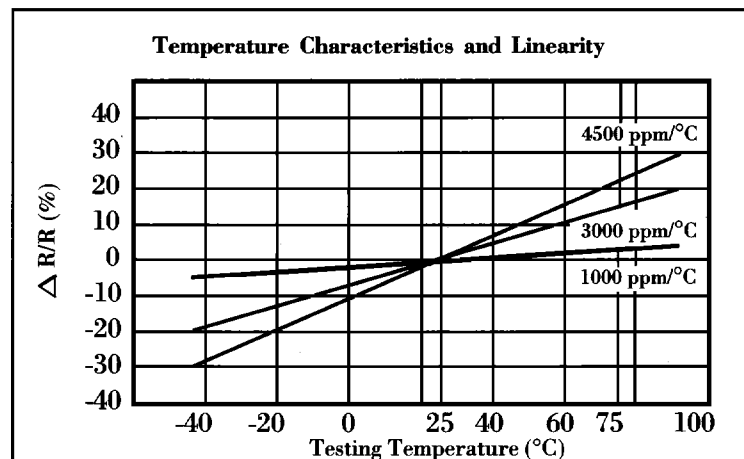
● RATINGS

LTC 10 (0805)	50	-55°C to 125°C
LTC 18 (1206)	100	

● PERFORMANCE CHARACTERISTICS

Resistance Temperature Coefficient	As specified in table
Short-time Overload	± 0.5% maximum
Terminal Strength	± 0.5% maximum
Solder-Heat Resistance	± 1.0% maximum
Solderability	95% minimum coverage
Temperature Cycle	± 0.5% maximum
Load Life in Moisture	± 2.0% maximum
Load Life	± 2.0% maximum

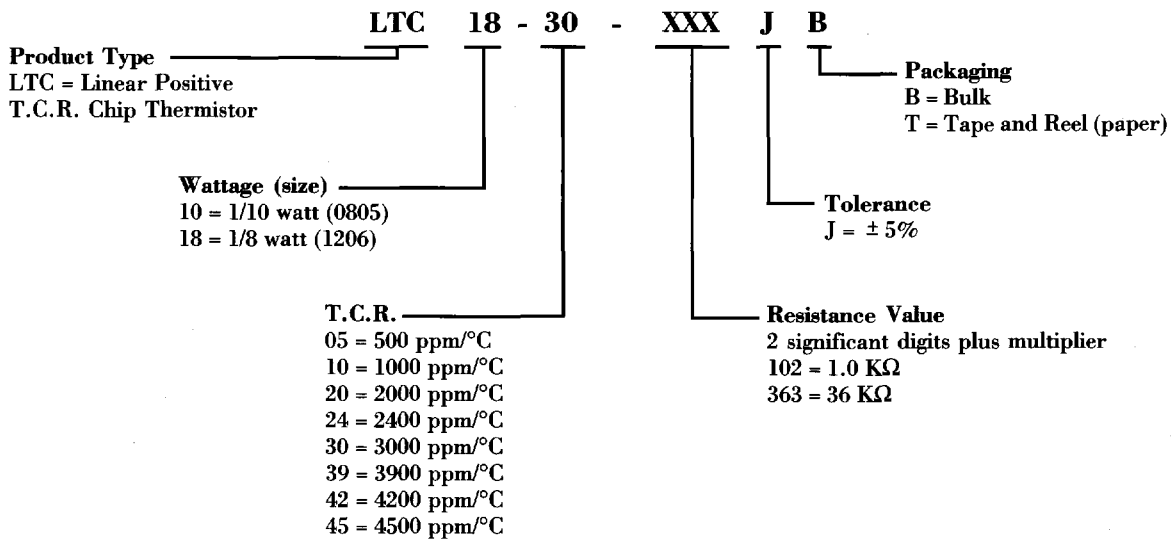
Test methods per EIA-575 and JIS C5202



● RESISTANCE VALUE AND RESISTANCE TEMPERATURE COEFFICIENT

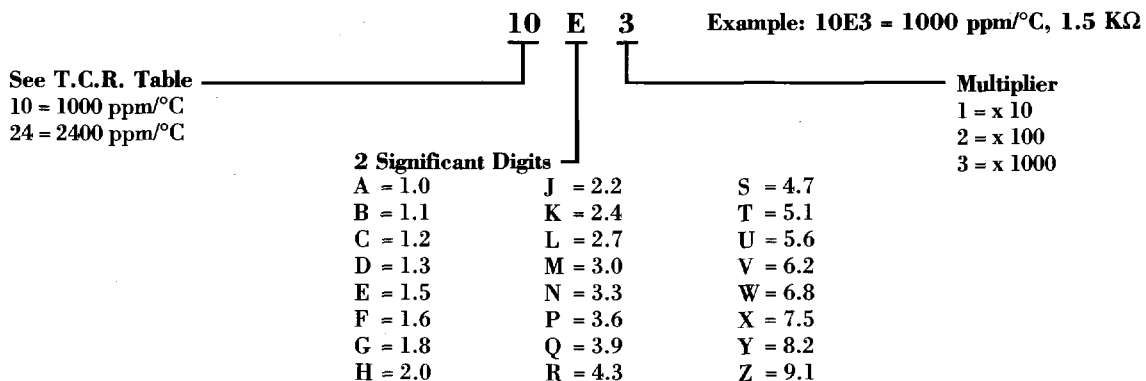
100 Ω to 10 KΩ	100 Ω to 24 KΩ	± 5% (J)	05	500	± 20%
100 Ω to 5.1 KΩ	100 Ω to 10 KΩ		10	1000	± 15%
100 Ω to 3.3 KΩ	100 Ω to 4.7 KΩ		20	2000	± 10%
100 Ω to 3.3 KΩ	100 Ω to 4.7 KΩ		24	2400	
100 Ω to 3.3 KΩ	100 Ω to 4.7 KΩ		30	3000	
51 Ω to 560 Ω	51 Ω to 1 KΩ		39	3900	
33 Ω to 360 Ω	33 Ω to 680 Ω		42	4200	
33 Ω to 100 Ω	33 Ω to 250 Ω		45	4500	

● PART NUMBER SYSTEM



● MARKINGS

Four digit markings. The first two indicate T.C.R. The third and fourth digits indicate resistance value.



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