muRata
Innovator in Electronics

PTH9C Series

The PTH9C Series is used for temperature sensing. Typical applications include overheat protection of power transistors, power diodes and power IC's.

FEATURES

- Steep resistance characteristics near the temperature setting.
- Excellent thermal response
- Available in three temperature characteristics.

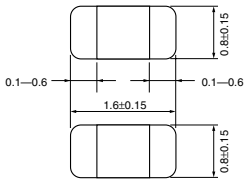
PART NUMBERING SYSTEM

PTH9C	32	AR	471	Q – T
CHIP TEMPERATURE SENSING PTC	CONSTRUCTION 32: 0805(2012) 16T: 0603(1608)	TEMPERATURE CHARACTERISTICS	RESISTANCE VALUE	OTHER SPECIFICATIONS

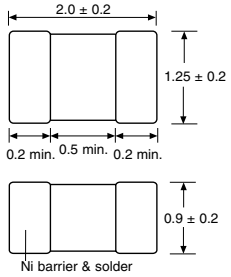
RATINGS

Dimensions: mm

PTH9C16



PTH9C32



Part Number	Temp. Char. (C.P)	Resistance Value (Ohms) (at 25°C)	Sensing Temp. (at 4.7k Ohms)	Voltage max.	Current max.	Operating Temperature
PTH9C16TAS471Q	AS(130°C)	470 ± 50%	145 ± 5°C	16V	30mA	–20 ~ +160°C
PTH9C16TAR471Q	AR(120°C)		135 ± 5°C			–20 ~ +150°C
PTH9C16TBA471Q	BA(110°C)		125 ± 5°C			–20 ~ +140°C
PTH9C16TBB471Q	BB(100°C)		115 ± 5°C			–20 ~ +130°C
PTH9C16TBC471Q	BC(90°C)		105 ± 5°C			–20 ~ +120°C
PTH9C16TBD471Q	BD(80°C)		95 ± 5°C			–20 ~ +110°C
PTH9C16TBE471Q	BE(70°C)		85 ± 5°C			–20 ~ +100°C
PTH9C32AS471Q-T	AS(130°C)		145 ± 5°C			–20 ~ +160°C
PTH9C32AR471Q-T	AR(120°C)		135 ± 5°C			–20 ~ +150°C
PTH9C32BA471Q-T	BA(110°C)		125 ± 5°C			–20 ~ +140°C
PTH9C32BB471Q-T	BB(100°C)		115 ± 5°C			–20 ~ +130°C
PTH9C32BC471Q-T	BC(90°C)		105 ± 5°C			–20 ~ +120°C
PTH9C32BD471Q-T	BD(80°C)		95 ± 5°C			–20 ~ +110°C
PTH9C32BE471Q-T	BE(70°C)		85 ± 5°C			–20 ~ +100°C

RESISTANCE–TEMPERATURE CHARACTERISTICS

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