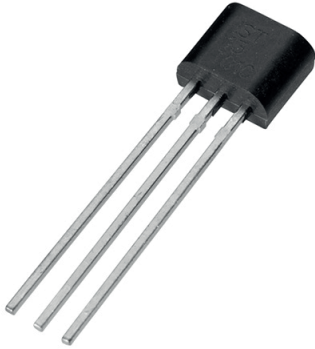


KTY silicium temperature sensors

Description



Description

The silicium-sensors of the series KTY are elements with a semiconductor layer.

They have a positiv temperature-coefficient but possess in opposition to PTC thermistors a relatively linear characteristic.

If you handle or treat the KTY-sensors, please mind that they are sensitive against electrostatic charge and could thus be damaged in their long-term behavior.

Technical data

KTY silicium temperature sensors	
Type	KTY 81/110
Housing	TO92
Temperature range	-55...+150 °C
Tolerance	±1 %
Ground-Resistance	(R_{25}) 1000 Ω
Response time	ca. 2 s

KTY silicium temperature sensors	
Type	KTY 81/210
Housing	TO92
Temperature range	-55...+150 °C
Tolerance	±1 %
Ground-Resistance	(R_{25}) 2000 Ω
Response time	ca. 2 s

KTY silicium temperature sensors	
Type	KTY 81/122
Housing	TO92
Temperature range	-55...+150 °C
Tolerance	±1 %
Ground-Resistance	(R_{25}) 1010 Ω
Response time	ca. 2 s

KTY silicium temperature sensors	
Type	KTY 81/121
Housing	TO92
Temperature range	-55...+150 °C
Tolerance	±1 %
Ground-Resistance	(R_{25}) 1010 Ω
Response time	ca. 2 s

Ordering numbers

Article	Articlenumber
Temperature sensor KTY81-110	0365 0028
Temperature sensor KTY81-210	0365 0020
Temperature sensor KTY81-122	0365 0015
Temperature sensor KTY81-121	0365 0038

You can find product specifications of the KTY 81-series at www.nxp.com