

KTY Silicon Temperature Sensors

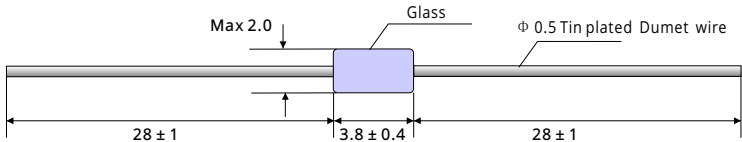
Features:

- Near-linear PTC characteristic with positive temperature coefficient
- Fail-safe performance and excellent stability
- Hermetic DO35 glass encapsulation with axial lead design
- Wide measuring range: -55°C ~ +175°C
- Multiple customizable R25 resistance values

Applications:

- Overheat protection for motors, transformers and generators
- Power supplies
- Thermal monitoring of frequency converters & power supplies
- Household white goods & home appliances
- Industrial electronic circuit temperature measurement & protection

Dimensions mm:



Specification:

Product Number	R25	Tolerance	Equivalent to NXP	Dissipation factor mW/°C	Time constant In still air	Max Power at 25°C	Operating Temperature
TPKTY-110	1000Ω	±1%	KTY81-110, KTY82-110,KTY83-110	≥1.5	≤20s	50mW	-55~175°C
TPKTY-120	1000Ω	±2%	KTY81-120, KTY82-120,KTY83-120				
TPKTY-121	1000Ω	-2%	KTY81-121, KTY82-121,KTY83-121				
TPKTY-122	1000Ω	+2%	KTY81-122, KTY82-122,KTY83-122				
TPKTY-150	1000Ω	±5%	KTY81-150, KTY82-150,KTY83-150				
TPKTY-151	1000Ω	-5%	KTY82-151,KTY83-151				
TPKTY-210	2000Ω	±1%	KTY81-210,KTY82-210				
TPKTY-220	2000Ω	±2%	KTY81-220,KTY82-220				
TPKTY-221	2000Ω	-2%	KTY81-221,KTY82-221				
TPKTY-222	2000Ω	+2%	KTY81-222,KTY82-222				
TPKTY-250	2000Ω	±5%	KTY81-250,KTY82-250				
TPKTY-251	2000Ω	-5%	KTY81-251,KTY82-251				
TPKTY-252	2000Ω	+5%	KTY81-252,KTY82-252				
TPKTY84-130	1000Ω (R100)	±3%	KTY84-130	≥1.5	≤20s	50mW	-40~180°C
TPKTY84-150	1000Ω (R100)	±5%	KTY84-150				
TPKTY84-151	1000Ω (R100)	-5%	KTY84-151				

- Lead wires are available in bare or tin-plated finish as per customer specification.
- Alternative specifications can be provided on request.