

SMD NTC Thermistors

Features:

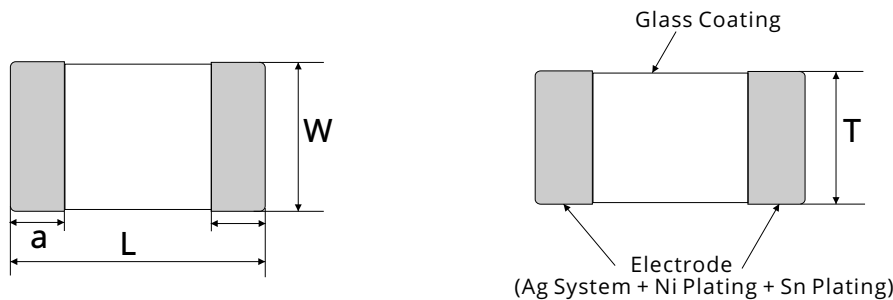
- High mechanical strength and durability
- Excellent solderability for smooth reflow soldering
- Fast thermal response and strong heat resistance
- Superior environmental stability,
- Standard tape packing compatible with automatic SMT production lines
- Compact size to save PCB layout space for mini electronic modules

Applications:

- ICs, transistors and crystal oscillators in communication devices
- LCD display panels and general circuit boards
- Routers, scanner heads and office automation equipment
- Wearable gadgets and portable medical devices
- Automotive electronics, laser diode modules
- Household electronic appliances

Dimensions mm:

TP8:



Size (Metric/EIAJ)	Size Imperial	L	W	T	a
0603	0201	0.6±0.05	0.3±0.05	0.3±0.05	0.15±0.05
1005	0402	1.0±0.15	0.5±0.15	0.5±0.15	0.25±0.1
1608	0603	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2
2012	0805	2.0±0.2	1.25±0.2	0.85±0.2	0.5±0.3

Specification:(TP8-0201 Series)

Product Number	R25	Tolerance	B value	Dissipation factor mW/°C	Time constant In still air	Max Power at 25°C	Operating temperature
TP80201-10K3380R1	10kΩ	±1%	3380±1%	approx. 1.0	approx. 3s	100mW	-40~125°C
TP80201-22K3380R1	22kΩ		3380±1%				
TP80201-47K3950R1	47kΩ		3950±1%				
TP80201-47K4100R1	47kΩ		4100±1%				
TP80201-68K4150R1	68kΩ		4150±1%				
TP80201-100K4150R1	100kΩ		4150±1%				
TP80201-100K4250R1	100kΩ		4250±1%				

- Lead wires length, resistance and B value could as per customer specification.
- Alternative specifications can be provided on request.

Specification:(TP8-0402 Series)

Product Number	R25	Tolerance	B value	Dissipation factor mW/°C	Time constant In still air	Max Power at 25°C	Operating temperature
TP80402-4.7K3950R1	4.7kΩ	±1%	3950±1%	approx. 1.0	approx. 3s	100mW	-40~125°C
TP80402-6.8K3950R1	6.8kΩ		3950±1%				
TP80402-10K3380R1	10kΩ		3380±1%				
TP80402-10K3950R1	10kΩ		3950±1%				
TP80402-10K4050R1	10kΩ		4050±1%				
TP80402-15K3450R1	15kΩ		3450±1%				
TP80402-22K3950R1	22kΩ		3950±1%				
TP80402-30K3950R1	30kΩ		3950±1%				
TP80402-30K4050R1	30kΩ		4050±1%				
TP80402-33K3950R1	33kΩ		3950±1%				
TP80402-33K4050R1	33kΩ		4050±1%				
TP80402-47K4050R1	47kΩ		4050±1%				
TP80402-47K4100R1	47kΩ		4100±1%				
TP80402-50K4100R1	50kΩ		4100±1%				
TP80402-68K4150R1	68kΩ		4150±1%				
TP80402-100K4150R1	100kΩ		4150±1%				
TP80402-100K4250R1	100kΩ		4250±1%				
TP80402-150K4150R1	150kΩ		4150±1%				
TP80402-200K4250R1	200kΩ		4250±1%				
TP80402-220K4250R1	220kΩ		4250±1%				
TP80402-470K4000R1	470kΩ		4000±1%				

Specification:(TP8-0603 Series)

Product Number	R25	Tolerance	B value	Dissipation factor mW/°C	Time constant In still air	Max Power at 25°C	Operating temperature
TP80603-2.2K3450R1	2.2kΩ	±1%	3450±1%	approx. 1.0	approx. 5s	100mW	-40~125°C
TP80603-2.2K3950R1	2.2kΩ		3950±1%				
TP80603-4.7K3500R1	4.7kΩ		3500±1%				
TP80603-4.7K3950R1	4.7kΩ		3950±1%				
TP80603-5K3950R1	5kΩ		3950±1%				
TP80603-10K3380R1	10kΩ		3380±1%				
TP80603-10K3450R1	10kΩ		3450±1%				
TP80603-10K3950R1	10kΩ		3950±1%				
TP80603-15K3950R1	15kΩ		3950±1%				
TP80603-22K4050R1	22kΩ		4050±1%				
TP80603-30K4050R1	30kΩ		4050±1%				

- Lead wires length, resistance and B value could as per customer specification.
- Alternative specifications can be provided on request.

Specification:(TP8-0603 Series)

Product Number	R25	Tolerance	B value	Dissipation factor mW/℃	Time constant In still air	Max Power at 25℃	Operating temperature
TP80603-33K4050R1	33kΩ	±1%	4050±1%	approx. 1.0	approx. 5s	100mW	-40~125℃
TP80603-47K4150R1	47kΩ		4150±1%				
TP80603-50K4150R1	50kΩ		4150±1%				
TP80603-68K4150R1	68kΩ		4150±1%				
TP80603-100K3950R1	100kΩ		3950±1%				
TP80603-100K4250R1	100kΩ		4250±1%				
TP80603-120K4250R1	120kΩ		4250±1%				
TP80603-150K4300R1	150kΩ		4300±1%				
TP80603-200K4350R1	200kΩ		4350±1%				
TP80603-220K4350R1	220kΩ		4350±1%				

Specification:(TP8-0805 Series)

Product Number	R25	Tolerance	B value	Dissipation factor mW/℃	Time constant In still air	Max Power at 25℃	Operating temperature
TP80805-3.3K3950R1	3.3kΩ	±1%	3950±1%	approx. 2.0	approx. 5s	200mW	-40~125℃
TP80805-4.7K3950R1	4.7kΩ		3950±1%				
TP80805-5K3950R1	5.0kΩ		3950±1%				
TP80805-6.8K3950R1	6.8kΩ		3950±1%				
TP80805-10K3380R1	10kΩ		3380±1%				
TP80805-10K3450R1	10kΩ		3450±1%				
TP80805-10K3950R1	10kΩ		3950±1%				
TP80805-22K4050R1	22kΩ		4050±1%				
TP80805-30K4050R1	30kΩ		4050±1%				
TP80805-33K4050R1	33kΩ		4050±1%				
TP80805-47K4150R1	47kΩ		4150±1%				
TP80805-50K4150R1	50kΩ		4150±1%				
TP80805-68K4150R1	68kΩ		4150±1%				
TP80805-100K3950R1	100kΩ		3950±1%				
TP80805-100K4250R1	100kΩ		4250±1%				
TP80805-120K4250R1	120kΩ		4250±1%				
TP80805-150K4300R1	150kΩ		4300±1%				
TP80805-200K4350R1	200kΩ		4350±1%				
TP80805-220K4350R1	220kΩ		4350±1%				
TP80805-470K4000R1	470kΩ		4000±1%				

- Lead wires length, resistance and B value could as per customer specification.
- Alternative specifications can be provided on request.