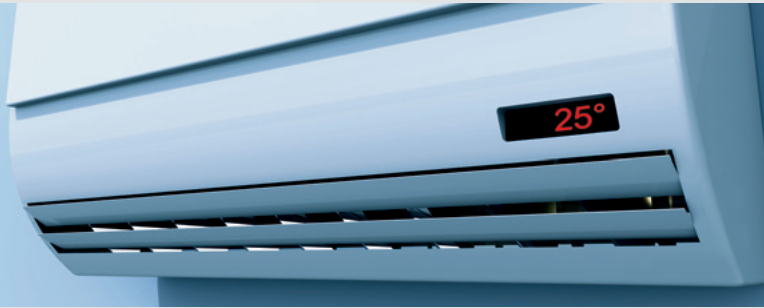




Sample Kit 2010



SMD NTC Thermistors

General-Use Components for Temperature
Measurement and Compensation

What are SMD NTC thermistors?

- As defined by IEC 60539, NTC (Negative Temperature Coefficient) thermistors are thermally sensitive semiconductor resistors which show a decrease in resistance as temperature increases.
- SMD NTCs are designed for temperature measurement and compensation.

Benefits for customer applications

- Available case sizes 0402, 0603 and 0805
- Resistance values 470 Ω up to 470 k Ω
- Wide range of different B values
- Excellent long-term aging stability in high-temperature environment
- Nickel barrier termination and lead-free solderability



Important information: Some parts of this publication contain statements about the suitability of our products for certain areas of application. These statements are based on our knowledge of typical requirements that are often placed on our products. We expressly point out that these statements cannot be regarded as binding statements about the suitability of our products for a particular customer application. It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. This publication is only a brief product survey which may be changed from time to time. Our products are described in detail in our data sheets. The *Important notes* (www.epcos.com/ImportantNotes) and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.

Components

B57221 V2472J60	B57221 V2103J60	B57261 V2223J60	B57221 V2473J60		B57321 V2102J60	B57301 V2472J60	B57321 V2103J60	B57371 V2103J60
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B57321 V2223J60	B57371 V2223J60	B57321 V2473J60	B57371 V2473J60	B57371 V2104J60	B57371 V2474J60		B57421 V2102J62	B57421 V2222J62
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B57401 V2472J62	B57471 V2472J62	B57421 V2103J62	B57471 V2103J62	B57421 V2223J62	B57471 V2223J62	B57471 V2473J62	B57471 V2104J62	B57471 V2474J62
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Product Range

Electrical specifications and ordering codes					
EIA case size	R ₂₅ [kΩ]	B _{25/50} [K]	B _{25/85} [K]	B _{25/100} [K]	Ordering code
Case size 0402					
0402	4.7	3940	3980	4000 ±3%	B57221V2472J60
0402	10	3940	3980	4000 ±3%	B57221V2103J60
0402	22	4473	4548	4575 ±3%	B57261V2223J60
0402	47	3940	3980	4000 ±3%	B57221V2473J60
Case size 0603					
0603	1	3940	3980	4000 ±3%	B57321V2102J60
0603	4.7	3590	3635	3650 ±3%	B57301V2472J60
0603	10	3940	3980	4000 ±3%	B57321V2103J60
0603	10	4386	4455	4480 ±3%	B57371V2103J60
0603	22	3940	3980	4000 ±3%	B57321V2223J60
0603	22	4386	4455	4480 ±3%	B57371V2223J60
0603	47	3940	3980	4000 ±3%	B57321V2473J60
0603	47	4386	4455	4480 ±3%	B57371V2473J60
0603	100	4386	4455	4480 ±3%	B57371V2104J60
0603	470	4386	4455	4480 ±3%	B57371V2474J60
Case size 0805					
0805	1	3940	3980	4000 ±3%	B57421V2102J62
0805	2.2	3940	3980	4000 ±3%	B57421V2222J62
0805	4.7	3590	3635	3650 ±3%	B57401V2472J62
0805	4.7	4386	4455	4480 ±3%	B57471V2472J62
0805	10	3940	3980	4000 ±3%	B57421V2103J62
0805	10	4386	4455	4480 ±3%	B57471V2103J62
0805	22	3940	3980	4000 ±3%	B57421V2223J62
0805	22	4386	4455	4480 ±3%	B57471V2223J62
0805	47	4386	4455	4480 ±3%	B57471V2473J62
0805	100	4386	4455	4480 ±3%	B57471V2104J62
0805	470	4386	4455	4480 ±3%	B57471V2474J62

See enclosed CD-ROM for data sheets and further details.

Application examples for SMD NTC thermistors



