



Sample Kit Surface Mount Thermistors NTCS, TFPT, NTHS, PTS



FEATURES

- NTC and PTC thermistors
- AEC-Q200 qualified and UL certified products available
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE

The commercial-off-the-shelf thermistors are now conveniently taped in strips, individually labeled and packaged in new engineering design kits.

| SPECIFICATIONS | | | | |
|-----------------------------------|--|-----------------------|-----------------------|-----------------------|
| Engineering kit | SMD Thermistors-Sample Kit | | | |
| Thermistor series | NTCS, NTCS...SMT | NTHS | PTS | TFPT |
| Case size | 0402, 0603, 0805 | 0603, 0805, 1206 | 0603, 0805, 1206 | 0603, 0805, 1206 |
| Resistance range | 2 kΩ to 680 kΩ | 22 kΩ to 330 kΩ | 100 Ω to 1 kΩ | 100 Ω to 10 kΩ |
| Tolerance | ± 1 %, ± 3 %, ± 5 % | ± 5 % | ± 0.3 K | ± 1 % |
| B _{25/85} /TCR | 3420 K to 4125 K | 3715 K to 4073 K | 3850 ppm/°C | 4110 ppm/°C |
| Number of SAP materials | 67 | 15 | 5 | 22 |
| Thermistors per value / case size | 100 pieces / 0402 50 pieces / 0603 and 0805 | 50 pieces / case size | 25 pieces / case size | 25 pieces / case size |

Note

- For further information please refer to product datasheet:
NTCS0402: www.vishay.com/doc?29003; NTCS0603: www.vishay.com/doc?29056; NTCS0805: www.vishay.com/doc?29044;
NTCS...SMT: www.vishay.com/doc?29151; NTHS: www.vishay.com/doc?33008; PTS: www.vishay.com/doc?28762;
TFPT: www.vishay.com/doc?33017.

| PART NUMBER AND PRODUCT DESCRIPTION | | | | | | | | | | | | | | | | | | | |
|--|---------------------|-----|---------------------------------|--|----|----------------|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| PART NUMBER: NTCSTFPTNTHSPTSLAB | | | | | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; text-align: center;"> <tr> <td>N</td><td>T</td><td>C</td><td>S</td><td>T</td><td>F</td><td>P</td><td>T</td><td>N</td><td>T</td><td>H</td><td>S</td><td>P</td><td>T</td><td>S</td><td>L</td><td>A</td><td>B</td> </tr> </table> | | N | T | C | S | T | F | P | T | N | T | H | S | P | T | S | L | A | B |
| N | T | C | S | T | F | P | T | N | T | H | S | P | T | S | L | A | B | | |
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| KIT | | | | | | | | | | | | | | | | | | | |
| NTCSTFPTNTHSPTSLAB | | | | | | | | | | | | | | | | | | | |
| PRODUCT DESCRIPTION: SMD THERMISTORS LAB e3 | | | | | | | | | | | | | | | | | | | |
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| SMD THERMISTORS LAB | | | | | | | | | | | | | | | | | | | |
| KIT | | | | | | | | | | | | | | | | | | | |
| Laboratory kit, SMD thermistors | | | | | | | | | | | | | | | | | | | |
| e3 | | | | | | | | | | | | | | | | | | | |
| LEAD (Pb)-FREE | | | | | | | | | | | | | | | | | | | |
| e3 = pure tin termination finish | | | | | | | | | | | | | | | | | | | |



ELECTRICAL DATA AND ORDERING INFORMATION

Table with columns: SAP MATERIAL, R25-VALUE (kΩ), TOL. ON R25 (%), B25/85 (K), TOL. ON B25/85 (%), CURVE. Rows include various thermistor models like NTCS0402E3472HMT, NTCS0603E3202JLT, etc.



ELECTRICAL DATA AND ORDERING INFORMATION

Table with 6 columns: SAP MATERIAL, R25-VALUE (kΩ), TOL. ON R25 (%), B25/85 (K), TOL. ON B25/85 (%), CURVE. Rows include NTCS and NTHS series.

ELECTRICAL DATA AND ORDERING INFORMATION

Table with 7 columns: SAP MATERIAL, R0-VALUE (Ω), TOL. ON R0 (%), R25-VALUE (Ω), TOL. ON R25 (%), TCR (ppm/°C), TOL. ON TCR (ppm/°C)/TOL. CLASS. Rows include PTS and TFPT series.