

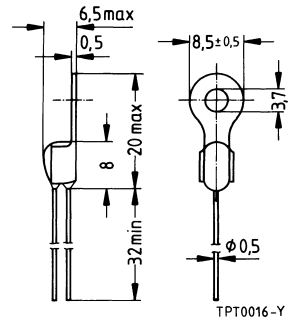
30 V

Applications

- Limit temperature sensor

Features

- Sensor with epoxy resin coating
- Tinned leads
- Metal tag for easy mounting
- Characteristics for nominal threshold temperatures of 90 to 160 °C conform with DIN 44 081
- Metal tag permits good thermal coupling and thus short response times



Dimensions (mm)

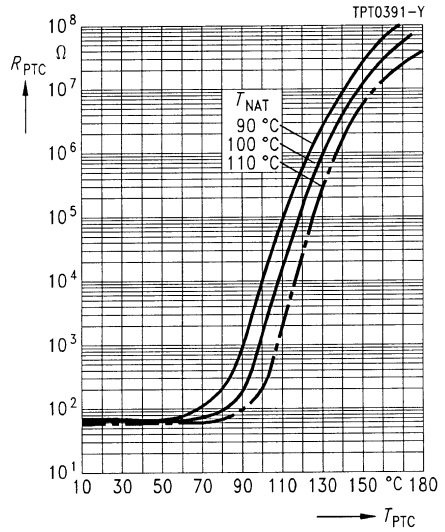
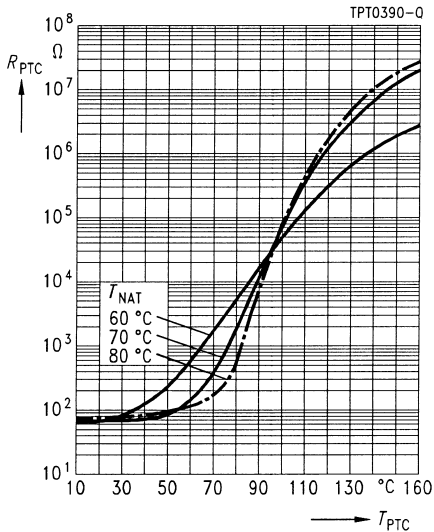
| | | | | |
|---|--|-----------------------|--------------|------------------|
| Max. operating voltage | $(T_A = 0 \dots 40 \text{ }^\circ\text{C})$ | V_{\max} | 30 | V |
| Max. measuring voltage | $(T_A - 25 \text{ K} \dots T_{\text{NAT}} + 15 \text{ K})$ | $V_{\text{Meas,max}}$ | 7,5 | V |
| Rated resistance | $(V_{\text{PTC}} \leq 2,5 \text{ V})$ | R_N | ≤ 100 | Ω |
| Response time | | t_a | < 20 | s |
| Operating temperature range ($V = 0$) | | T_{op} | $- 25/+ 125$ | $^\circ\text{C}$ |
| | $(V = V_{\max})$ | T_{op} | 0/40 | $^\circ\text{C}$ |

| Type/ Stamp code | T_{NAT} $\pm \Delta T$ $^\circ\text{C}$ | R^1 $(T_{\text{NAT}} - \Delta T)$ Ω | R^1 $(T_{\text{NAT}} + \Delta T)$ Ω | R^2 $(T_{\text{NAT}} + 15 \text{ K})$ Ω | R^1 $(T_{\text{NAT}} + 23 \text{ K})$ Ω | Ordering code |
|------------------------|--|--|--|--|--|-----------------|
| D 901 331 | 60 ± 5 | ≤ 570 | ≥ 570 | — | $\geq 10 \text{ k}$ | B59901-D60-A40 |
| D 901 341 | 70 ± 5 | ≤ 570 | ≥ 570 | — | $\geq 10 \text{ k}$ | B59901-D70-A40 |
| D 901 351 | 80 ± 5 | ≤ 570 | ≥ 570 | — | $\geq 10 \text{ k}$ | B59901-D80-A40 |
| D 901 361 | 90 ± 5 | ≤ 550 | ≥ 1330 | $\geq 4 \text{ k}$ | — | B59901-D90-A40 |
| D 901 371 | 100 ± 5 | ≤ 550 | ≥ 1330 | $\geq 4 \text{ k}$ | — | B59901-D100-A40 |
| D 901 381 | 110 ± 5 | ≤ 550 | ≥ 1330 | $\geq 4 \text{ k}$ | — | B59901-D110-A40 |
| D 901 391 | 120 ± 5 | ≤ 550 | ≥ 1330 | $\geq 4 \text{ k}$ | — | B59901-D120-A40 |
| D 901 401 | 130 ± 5 | ≤ 550 | ≥ 1330 | $\geq 4 \text{ k}$ | — | B59901-D130-A40 |
| D 901 411 | 140 ± 5 | ≤ 550 | ≥ 1330 | $\geq 4 \text{ k}$ | — | B59901-D140-A40 |

1) $V_{\text{PTC}} \leq 2,5 \text{ V}$
2) $V_{\text{PTC}} \leq 7,5 \text{ V}$

Characteristics (typical)

PTC resistance R_{PTC} versus PTC temperature T_{PTC}
(measured at low signal voltage)



PTC resistance R_{PTC} versus PTC temperature T_{PTC}
(measured at low signal voltage)

