

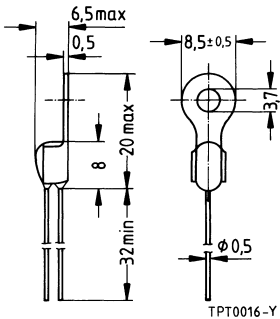
30 V

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	$^\circ\text{C}$

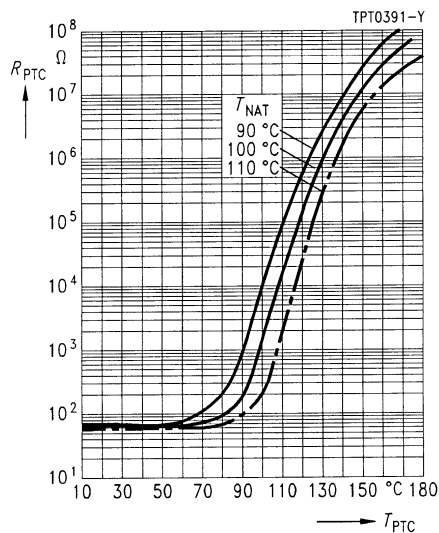
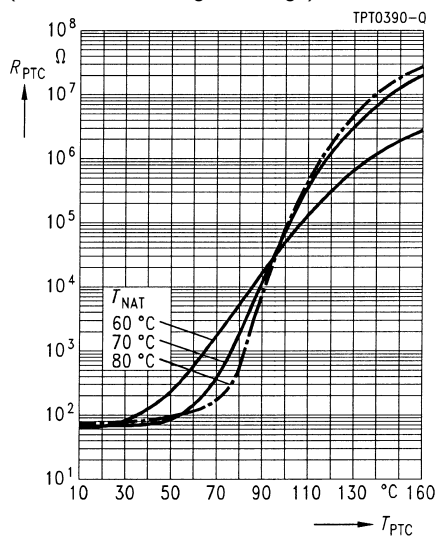
Type/ Stamp code	$T_{\text{NAT}} \pm \Delta T$ $^\circ\text{C}$	R^1 $(T_{\text{NAT}} - \Delta T)$ Ω	R^1 $(T_{\text{NAT}} + \Delta T)$ Ω	R^2 $(T_{\text{NAT}} + 15 \text{ K})$ Ω	R^1 $(T_{\text{NAT}} + 23 \text{ K})$ Ω	Ordering code
D 901 331	60 ± 5	≤ 570	≥ 570	—	$\geq 10 \text{ k}$	B59901-D60-A40
D 901 341	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)

