

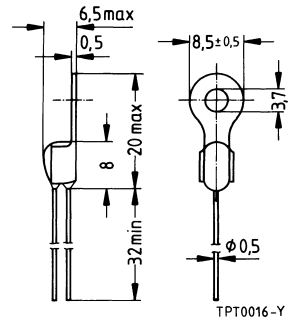
30 V

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)

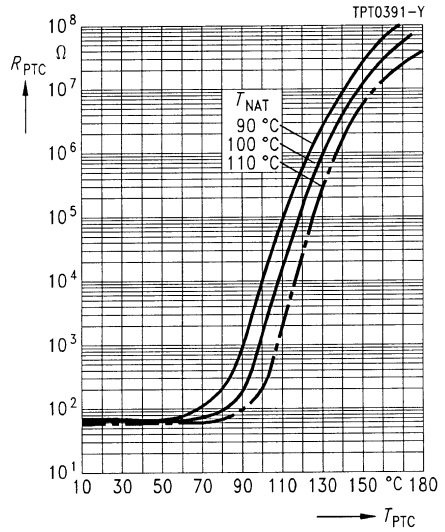
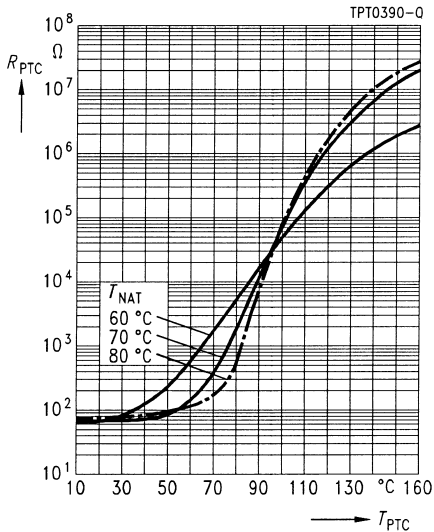
Max. operating voltage	$(T_A = 0 \dots 40 \text{ }^\circ\text{C})$	$V_{\max}$	30	V
Max. measuring voltage	$(T_A - 25 \text{ K} \dots T_{\text{NAT}} + 15 \text{ K})$	$V_{\text{Meas,max}}$	7,5	V
Rated resistance	$(V_{\text{PTC}} \leq 2,5 \text{ V})$	$R_N$	$\leq 100$	$\Omega$
Response time		$t_a$	$< 20$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

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



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(measured at low signal voltage)

