

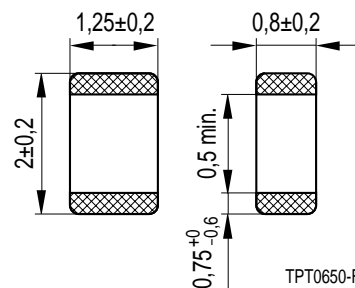
25 V

Applications

- Limit temperature sensor

Features

- Thermistor chip with tinned terminations
- Very small size
- Fast and reliable response
- Suitable for reflow soldering
- Suitable for automatic placement
- Available on 8-mm blister tape (standard delivery mode)



Termination

Dimensions (mm)

Max. operating voltage	$(T_A = 0 \dots 40 \text{ }^\circ\text{C})$	$V_{\max}$	25	V
Max. measuring voltage	$(T_A - 40 \text{ K} \dots T_{\text{NAT}} + 15 \text{ K})$	$V_{\text{Meas,max}}$	7,5	V
Rated resistance	$(V_{\text{PTC}} \leq 2,5 \text{ V})$	$R_N$	$\leq 1$	k $\Omega$
Operating temperature range	$(V = V_{\text{Meas,max}})$	$T_{\text{op}}$	$- 25/T_{\text{NAT}} + 15$	$^\circ\text{C}$

Type	$T_{\text{NAT}} \pm \Delta T$ $^\circ\text{C}$	$R^1$ $(T_{\text{NAT}} - \Delta T)$ k $\Omega$	$R^1$ $(T_{\text{NAT}} + \Delta T)$ k $\Omega$	$R^2$ $(T_{\text{NAT}} + 15 \text{ K})$ k $\Omega$	Ordering code
A 701	$70 \pm 5$	$\leq 5,7$	$\geq 5,7$	$\geq 40^3$	B59701-A70-A62
A 701	$90 \pm 5$	$\leq 5,5$	$\geq 13,3$	$\geq 40$	B59701-A90-A62
A 701	$100 \pm 5$	$\leq 5,5$	$\geq 13,3$	$\geq 40$	B59701-A100-A62
A 701	$110 \pm 5$	$\leq 5,5$	$\geq 13,3$	$\geq 40$	B59701-A110-A62
A 701	$120 \pm 5$	$\leq 5,5$	$\geq 13,3$	$\geq 40$	B59701-A120-A62
A 701	$130 \pm 5$	$\leq 5,5$	$\geq 13,3$	$\geq 40$	B59701-A130-A62

1)  $V_{\text{PTC}} \leq 2,5 \text{ V}$   
 2)  $V_{\text{PTC}} \leq 7,5 \text{ V}$   
 3)  $T_{\text{NAT}} + 25 \text{ K}$

**Characteristics (typical)**

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

