

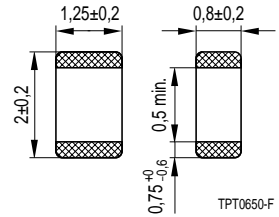
25 V

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	≤ 1	k Ω
Operating temperature range ($V = V_{\text{Meas,max}}$)		T_{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 Ω	R^1 ($T_{\text{NAT}} + \Delta T$) k Ω	R^2 ($T_{\text{NAT}} + 15 \text{ K}$) k Ω	Ordering code
A 701	70 ± 5	$\leq 5,7$	$\geq 5,7$	$\geq 40^3$	B59701-A70-A62
A 701	90 ± 5	$\leq 5,5$	$\geq 13,3$	≥ 40	B59701-A90-A62
A 701	100 ± 5	$\leq 5,5$	$\geq 13,3$	≥ 40	B59701-A100-A62
A 701	110 ± 5	$\leq 5,5$	$\geq 13,3$	≥ 40	B59701-A110-A62
A 701	120 ± 5	$\leq 5,5$	$\geq 13,3$	≥ 40	B59701-A120-A62
A 701	130 ± 5	$\leq 5,5$	$\geq 13,3$	≥ 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)

