

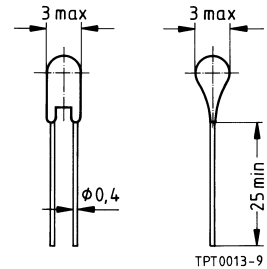
30 V

Applications

- Sensor for small measuring points
- Limit temperature monitoring

Features

- Coated thermistor disk
- Tinned leads
- Marked with coded nominal threshold temperature
- Characteristics for nominal threshold temperatures of 90 to 160 °C conform with DIN 44 081
- Extremely fast response due to small dimensions



Dimensions (mm)

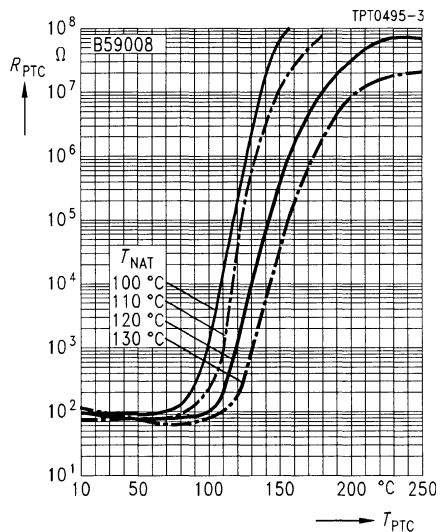
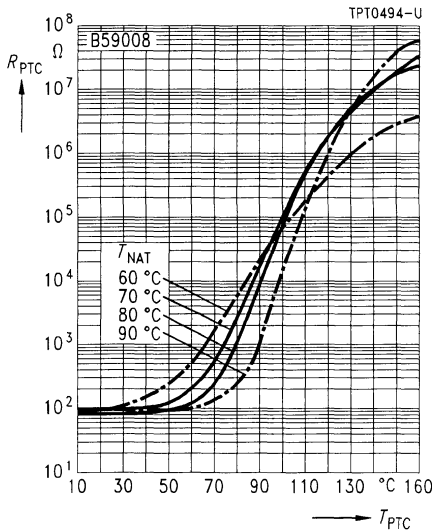
Max. operating voltage	($T_A = 0 \dots 40 \text{ }^\circ\text{C}$)	V_{\max}	30	V
Max. measuring voltage	($T_A - 25 \text{ K} \dots T_{\text{NAT}} + 15 \text{ K}$)	$V_{\text{Meas,max}}$	7,5	V
Rated resistance	($V_{\text{PTC}} \leq 2,5 \text{ V}$)	R_N	≤ 250	Ω
Response time		t_a	< 3	s
Operating temperature 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
C 8 f	60 ± 5	≤ 570	≥ 570	—	$\geq 4 \text{ k}$	B59008-C60-A40
C 8 g	70 ± 5	≤ 570	≥ 570	—	$\geq 4 \text{ k}$	B59008-C70-A40
C 8 h	80 ± 5	≤ 570	≥ 570	—	$\geq 4 \text{ k}$	B59008-C80-A40
C 8 i	90 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C90-A40
C 8 j	100 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C100-A40
C 8 k	110 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C110-A40
C 8 l	120 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C120-A40
C 8 m	130 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C130-A40
C 8 n	140 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C140-A40
C 8 o	145 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C145-A40
C 8 p	150 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C150-A40
C 8 r	155 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C155-A40
C 8 s	160 ± 5	≤ 550	≥ 1330	$\geq 4 \text{ k}$	—	B59008-C160-A40
C 8 t	170 ± 7	≤ 570	≥ 570	—	$\geq 4 \text{ k}$	B59008-C170-A40
C 8 u	180 ± 7	≤ 570	≥ 570	—	$\geq 4 \text{ k}$	B59008-C180-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)

