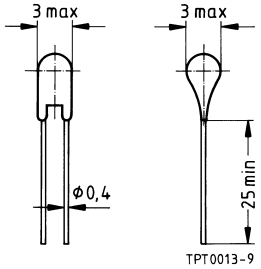
30 V



Dimensions (mm)

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

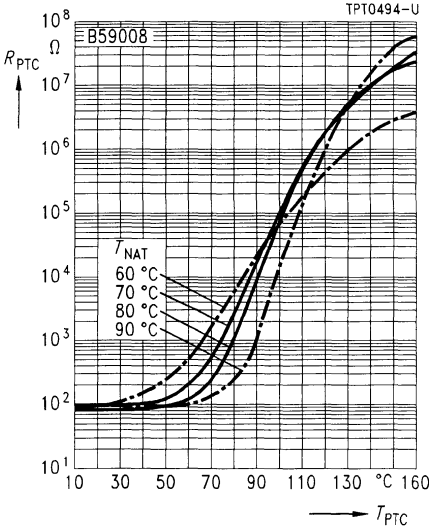
Max. operating voltage	(T_A = 0 … 40 °C)	V_{max}	30	V
Max. measuring voltage	(T_A – 25 K … T_{NAT} + 15 K)	$V_{Meas,max}$	7,5	V
Rated resistance	(V_{PTC} ≤ 2,5 V)	R_N	≤ 250	Ω
Response time		t_a	< 3	s
Operating temperature range	(V = 0)	T_{op}	– 25/+ 125	°C
	(V = V_{max})	T_{op}	0/40	°C

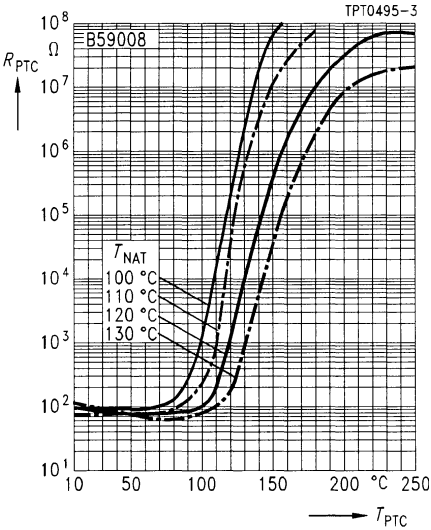
Type/ Stamp code		$T_{NAT} \pm \Delta T$ °C	$R^{1)}$ ($T_{NAT} - \Delta T$) Ω	$R^{1)}$ ($T_{NAT} + \Delta T$) Ω	$R^{2)}$ (T_{NAT} + 15 K) Ω	$R^{1)}$ (T_{NAT} + 23 K) Ω	Ordering code
C 8	f	60 ± 5	≤ 570	≥ 570	—	≥ 4 k	B59008-C60-A40
C 8	g	70 ± 5	≤ 570	≥ 570	—	≥ 4 k	B59008-C70-A40
C 8	h	80 ± 5	≤ 570	≥ 570	—	≥ 4 k	B59008-C80-A40
C 8	i	90 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C90-A40
C 8	j	100 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C100-A40
C 8	k	110 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C110-A40
C 8	l	120 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C120-A40
C 8	m	130 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C130-A40
C 8	n	140 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C140-A40
C 8	o	145 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C145-A40
C 8	p	150 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C150-A40
C 8	r	155 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C155-A40
C 8	s	160 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59008-C160-A40
C 8	t	170 ± 7	≤ 570	≥ 570	—	≥ 4 k	B59008-C170-A40
C 8	u	180 ± 7	≤ 570	≥ 570	—	≥ 4 k	B59008-C180-A40

1) V_{PTC} ≤ 2,5 V
2) V_{PTC} ≤ 7,5 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)