



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Applications

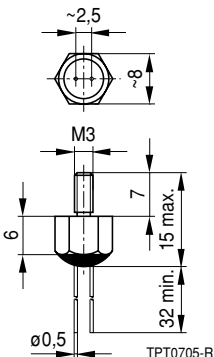
- Limit temperature sensor

Features

- Insulated screw-type metal case
- Thread M3
- Tinned leads
- Marked with nominal threshold temperature and type designation
- Characteristics for nominal threshold temperatures of 90 to 160 °C conform with DIN 44081
- Fast response due to small dimensions

Delivery mode

- Bulk

Dimensional drawing


Dimensions (mm)

General technical data

Max. operating voltage	$(T_A = 0 \dots 40 \text{ } ^\circ\text{C})$	V_{max}	30	VDC
Max. measuring voltage	$(T_A - 25 \text{ K} \dots T_{\text{NTT}} + 23 \text{ K})$	$V_{\text{meas,max}}$	7,5	VDC
Rated resistance	$(V_{\text{PTC}} \leq 2,5 \text{ V})$	R_{N}	≤ 100	Ω
Insulation test voltage		V_{ins}	1,5	kV AC
Thermal threshold time		t_a	< 20	s
Operating temperature range	$(V \leq V_{\text{meas,max}})$	T_{op}	$-40/T_{\text{NTT}} + 23$	$^\circ\text{C}$
	$(V = V_{\text{max}})$	T_{op}	0/+ 40	$^\circ\text{C}$

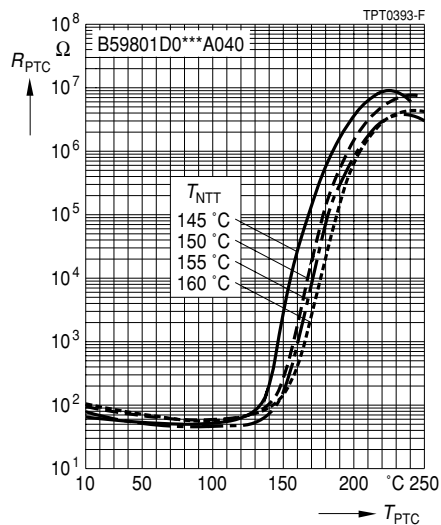
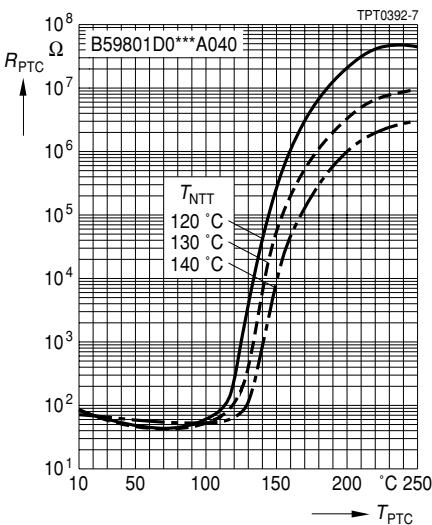
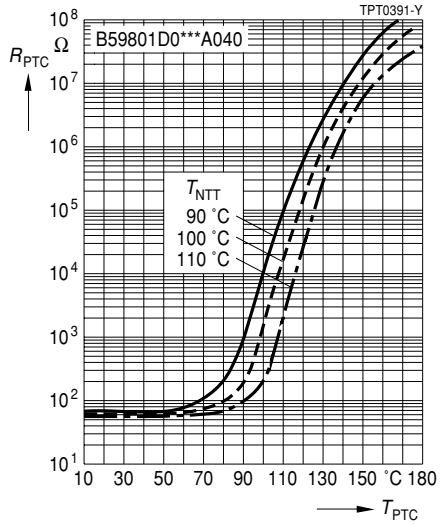
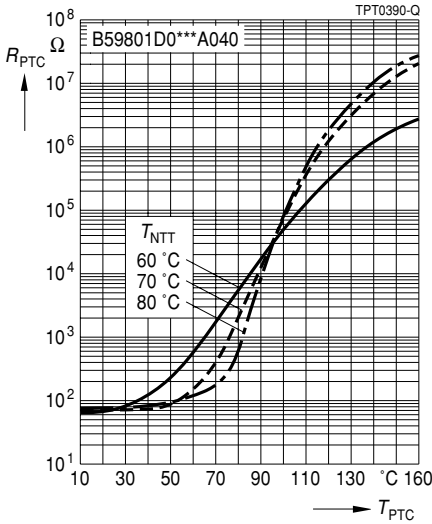
Electrical specifications and ordering codes

$T_{\text{NTT}} \pm \Delta T$ °C	$R^{1)}$ ($T_{\text{NTT}} - \Delta T$) Ω	$R^{1)}$ ($T_{\text{NTT}} + \Delta T$) Ω	$R^{2)}$ ($T_{\text{NTT}} + 15 \text{ K}$) Ω	$R^{1)}$ ($T_{\text{NTT}} + 23 \text{ K}$) Ω	Ordering code
60 ± 5	≤ 570	≥ 570	—	≥ 10 k	B59801D0060A040
70 ± 5	≤ 570	≥ 570	—	≥ 10 k	B59801D0070A040
80 ± 5	≤ 570	≥ 570	—	≥ 10 k	B59801D0080A040
90 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0090A040
100 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0100A040
110 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0110A040
120 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0120A040
130 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0130A040
140 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0140A040
145 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0145A040
150 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0150A040
155 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0155A040
160 ± 5	≤ 550	≥ 1330	≥ 4 k	—	B59801D0160A040

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)



Herausgegeben von EPCOS AG

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This brochure replaces the previous edition.

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Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.