

30 V

Applications

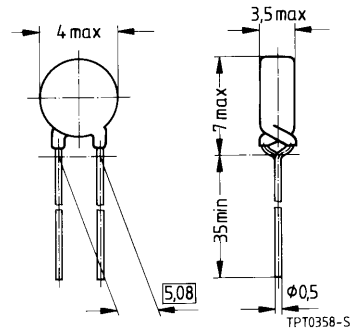
- General-purpose usage in temperature measurement and control
- Limit temperature monitoring

Features

- Coated thermistor disk
- Tinned leads
- Marked with stamp

Options

- Also available on tape



Dimensions (mm)

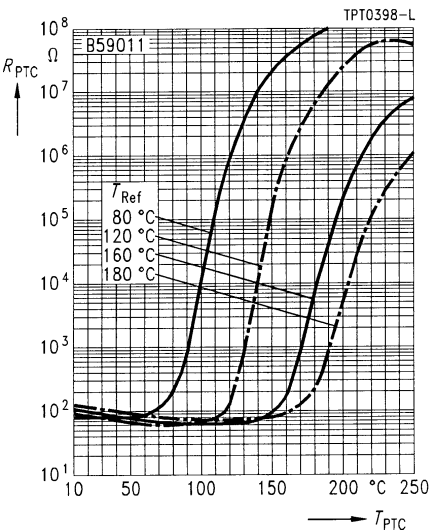
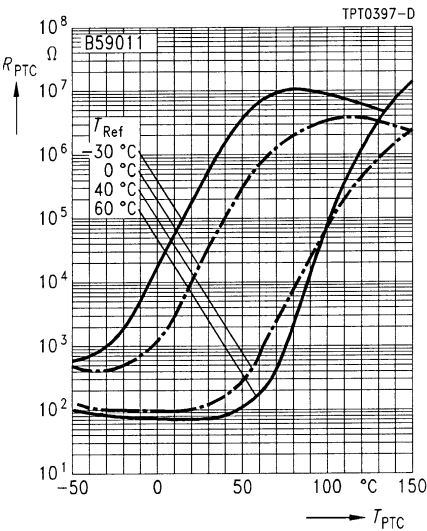
Max. operating voltage	$V_{\max}$	30	V
Tolerance of rated resistance	$\Delta R_N^{1)}$	$\pm 25 \%$	
Response time	t_a	< 5	s
Operating temperature range	T_{op}	$- 25/+ 125$	$^{\circ}\text{C}$
	T_{op}	0/60	$^{\circ}\text{C}$

Type	$T_{\text{Ref}} \pm \Delta T$	R_N	R_{Ref}	$R(T_{\text{Ref}} - \Delta T)$	$R(T_{\text{Ref}} + \Delta T)$	$R_{\min}$
	$^{\circ}\text{C}$	Ω	Ω	Ω	Ω	Ω
C 1011 ¹⁾	$- 30 \pm 5$	$> 100 \text{ k}$	1400	≤ 2100	≥ 700	700
C 1011 ¹⁾	0 ± 5	> 5000	1200	≤ 1800	≥ 600	600
C 1011	40 ± 5	110	190	≤ 250	≥ 130	95
C 1011	60 ± 5	80	160	≤ 210	≥ 110	80
C 1011	80 ± 5	80	160	≤ 210	≥ 110	80
C 1011	120 ± 5	85	150	≤ 200	≥ 100	75
C 1011	160 ± 6	110	160	≤ 210	≥ 110	80
C 1011	180 ± 7	110	140	≤ 190	≥ 90	70

¹⁾ $\Delta R_N = \pm 25 \%$ not valid for B59011-C1930-A70 and B59011-C1000-A70.

Characteristics (typical)

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



Type	I_{max}	T_{Rmin}	T_{PTC}	$R(T_{PTC})$	Ordering code
	mA	°C	°C	Ω	
C 1011	45	− 70	40	≥ 200 k	B59011-C1930-A70
C 1011	50	− 40	60	≥ 200 k	B59011-C1000-A70
C 1011	320	0	100	≥ 50 k	B59011-C1040-A70
C 1011	380	20	110	≥ 50 k	B59011-C1060-A70
C 1011	380	40	125	≥ 50 k	B59011-C1080-A70
C 1011	400	80	155	≥ 50 k	B59011-C1120-A70
C 1011	380	120	200	≥ 10 k	B59011-C1160-A70
C 1011	430	140	220	≥ 5 k	B59011-C1180-A70