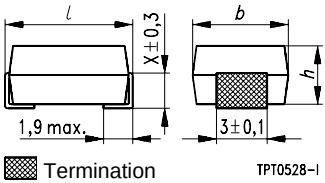
30 V



Applications

- Overcurrent protection
- Short-circuit protection

Features

- Molded epoxy encapsuation, tinned solder terminals
- Suitable for wave and reflow soldering
- Suitable for automatic placement
- Available on tape (standard delivery mode)

Dimensions (mm)
Tolerances ± 0,5 mm

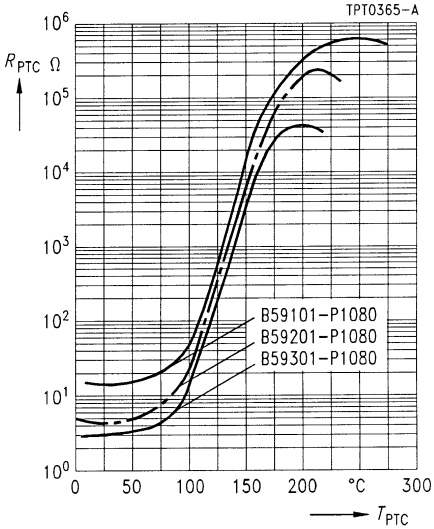
Type	*h*	*b*	*l*	x	Size
P 1101	3,2	6,3	8,0	1,7	3225
P 1201	3,2	6,3	8,0	1,7	3225
P 1301	3,2	8,0	10,0	2,3	4032

Max. operating voltage (T_A = 60 °C)	V_{max}	30	V
Rated voltage	V_N	24	V
Switching cycles (typ.)	N	100	
Resistance tolerance	ΔR_N	± 25 %	
Operating temperature range (V = 0)	T_{op}	– 40/+ 125	°C
(V = V_{max})	T_{op}	0/60	°C

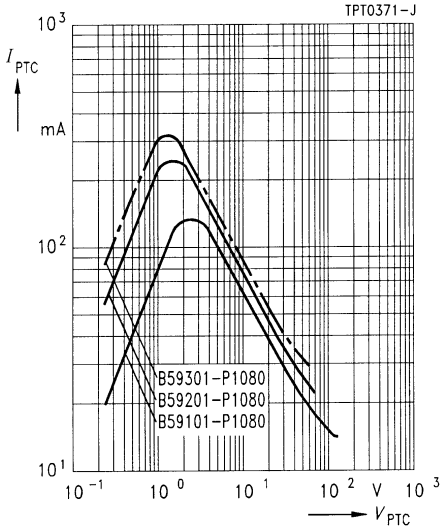
Type	I_N	I_S	I_{Smax} (V=V_{max})	I_r (V=V_{max})	R_N	R_{min}	t_S (I_{Smax})	Ordering code
	mA	mA	A	mA	Ω	Ω	s	
Reference temperature T_{Ref} = 80 °C								
P 1101	90	185	0,7	25	13	7,80	≤ 2,0	B59101-P1080-A62
P 1201	165	340	1,0	34	4,6	2,70	≤ 6,0	B59201-P1080-A62
P 1301	205	420	1,6	38	3,1	1,85	≤ 6,0	B59301-P1080-A62
Reference temperature T_{Ref} = 120 °C								
P 1101	170	355	0,7	35	13	7,80	≤ 4,5	B59101-P1120-A62
P 1201	265	545	1,0	45	4,6	2,70	≤ 12,0	B59201-P1120-A62
P 1301	310	640	1,6	53	3,1	1,85	≤ 12,0	B59301-P1120-A62

Characteristics (typical)

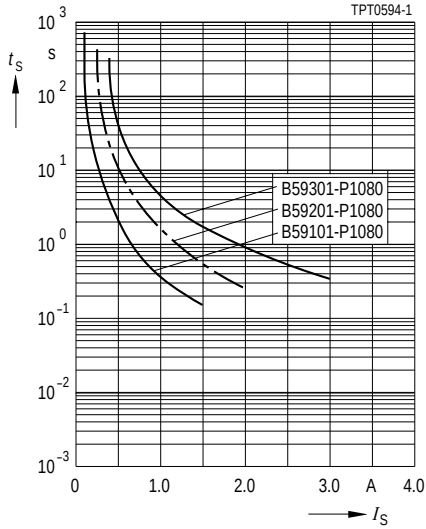
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



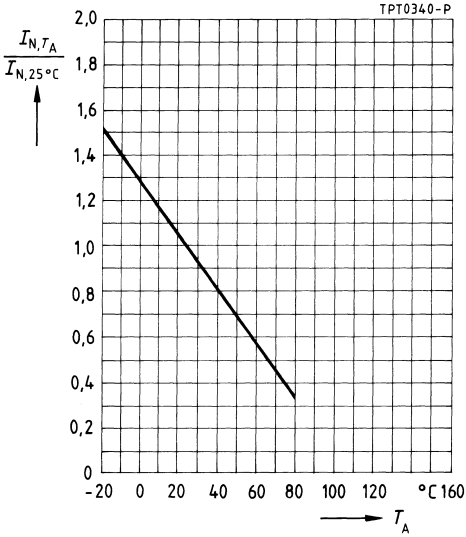
PTC current I_{PTC} versus PTC voltage V_{PTC} (measured at 25 °C in still air)



Switching time t_S versus switching current I_S (measured at 25 °C in still air)

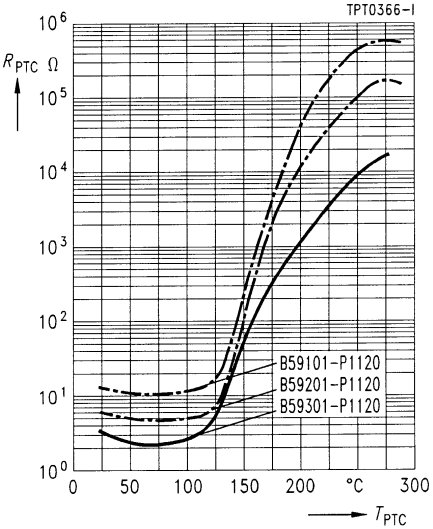


Rated current I_N versus ambient temperature T_A (measured in still air)

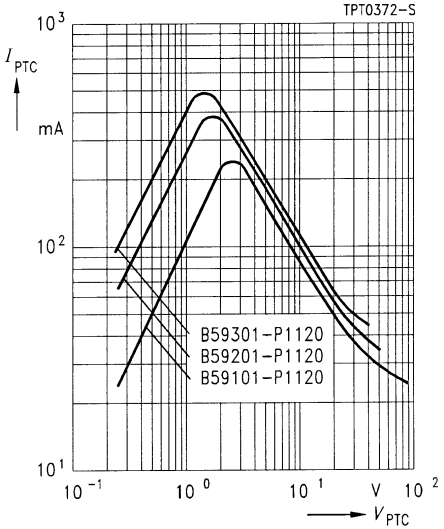


Characteristics (typical)

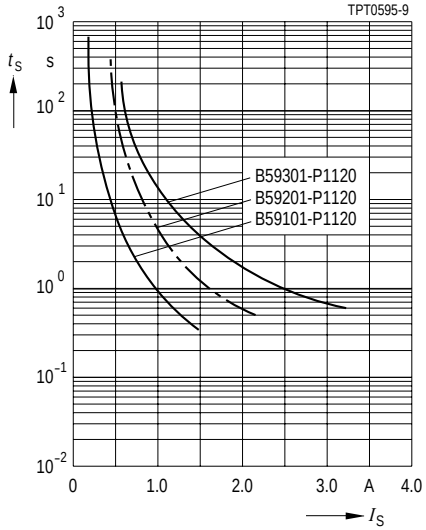
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



PTC current I_{PTC} versus PTC voltage V_{PTC} (measured at 25 °C in still air)



Switching time t_S versus switching current I_S (measured at 25 °C in still air)



Rated current I_N versus ambient temperature T_A (measured in still air)