Applications

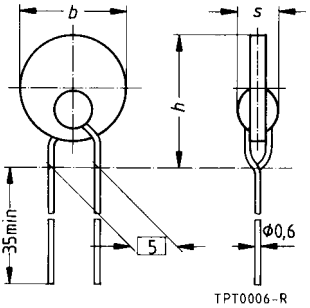
- Overcurrent and short-circuit protection

Features

- Lead-free terminals
- Manufacturer's logo, date code and type designation stamped on in black
- UL approval to UL 1434 with V_{max} = 420 V and V_N = 380 V (file number E69802), except B 758

Delivery mode

- Cardboard strips (standard)
- Cardboard tape reeled or in AMMO pack on request



Dimensions (mm)

Type	b_{max}	h_{max}	s_{max}
B 75*	12,5	16,5	7,0
B 77*	8,5	12,1	7,0

General technical data

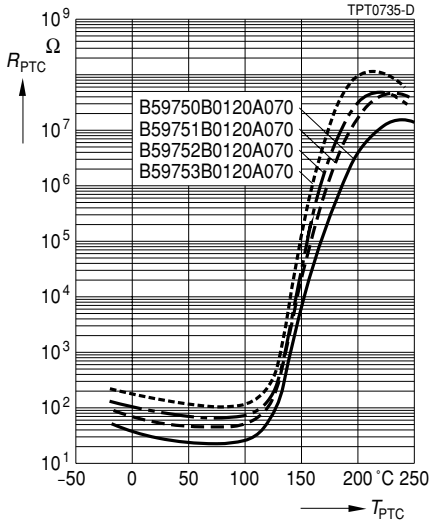
Switching cycles (typ.)	N	100	
Operating temperature range (V = 0)	T_{op}	– 40/+ 125	°C
(V = V_{max})	T_{op}	0/+ 60	°C

Electrical specifications and ordering codes

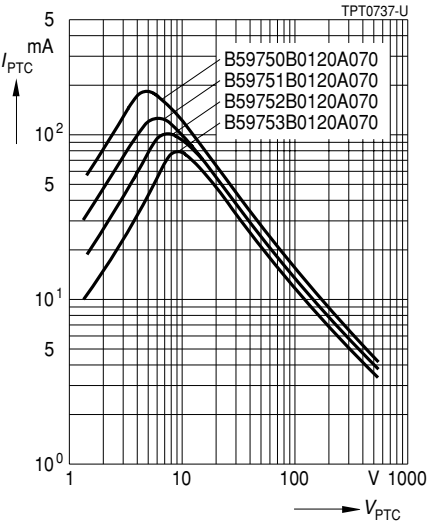
Type	I_N mA	I_S mA	I_{Smax} (V=V_{max}) A	t_S (V_{max}, I_{Smax}) s	I_r (typ.) (V=V_{max}) mA	R_N Ω	R_{min} Ω	Ordering code
V_{max} = 420 V, V_N = 380 V, T_{Ref} = 120 °C (typ.), ΔR_N = ± 25 %								
B 750	123	245	2,0	< 6	4,0	25	13	B59750B0120A070
B 751	87	173	2,0	< 4	3,5	50	26	B59751B0120A070
B 752	69	137	2,0	< 4	3,5	80	42	B59752B0120A070
B 770	64	127	1,4	< 4	3,5	70	45	B59770B0120A070
B 753	56	112	2,0	< 3	3,0	120	63	B59753B0120A070
B 754	50	100	2,0	< 3	3,0	150	68	B59754B0120A070
B 771	49	97	1,4	< 3	2,5	120	76	B59771B0120A070
B 772	43	86	1,4	< 3	2,5	150	96	B59772B0120A070
V_{max} = 550 V, V_N = 500 V, T_{Ref} = 115 °C (typ.), ΔR_N = ± 25 %								
B 755	28	55	1,4	< 3	2,0	500	230	B59755B0115A070
V_{max} = 550 V, V_N = 500 V, T_{Ref} = 120 °C (typ.), ΔR_N = ± 25 %								
B 773	24	48	1,0	< 3	2,0	500	320	B59773B0120A070
V_{max} = 550 V, V_N = 500 V, T_{Ref} = 115 °C (typ.), ΔR_N = ± 25 %								
B 774	16	32	1,0	< 2	1,5	1100	700	B59774B0115A070
V_{max} = 1000 V, V_N = 1000 V, T_{Ref} = 110 °C (typ.), ΔR_N = ± 33 %								
B 758	8	17	0,5	< 3	3,0	7500	3380	B59758B0110A070

Characteristics (typical)

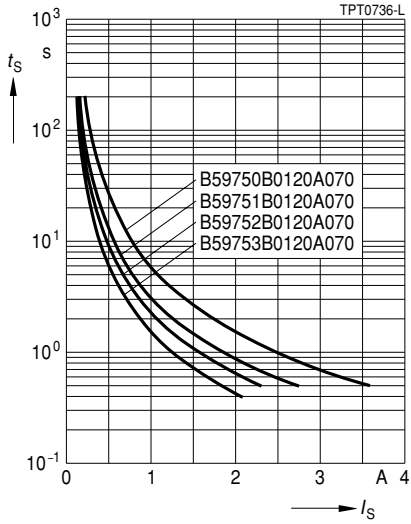
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



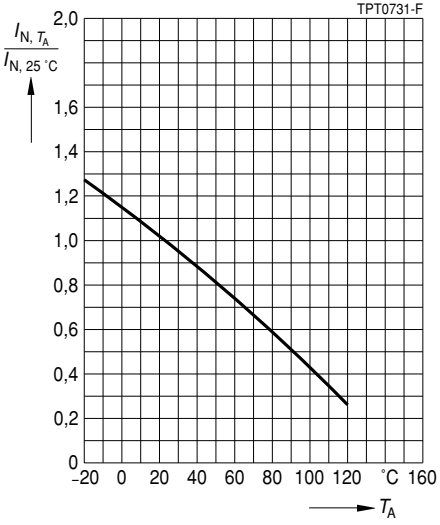
PTC current I_{PTC} versus PTC voltage V_{PTC} (measured at 25 °C in still air)



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

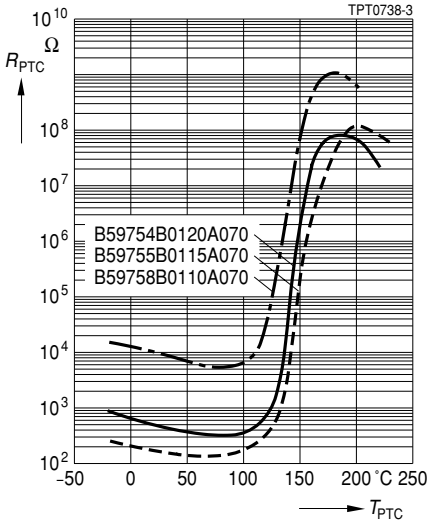


Rated current I_N versus ambient temperature T_A (measured in still air)

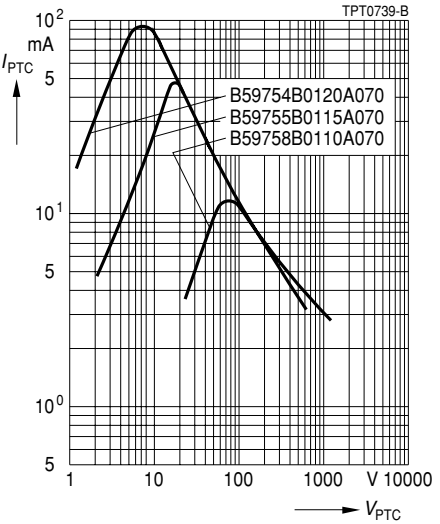


Characteristics (typical)

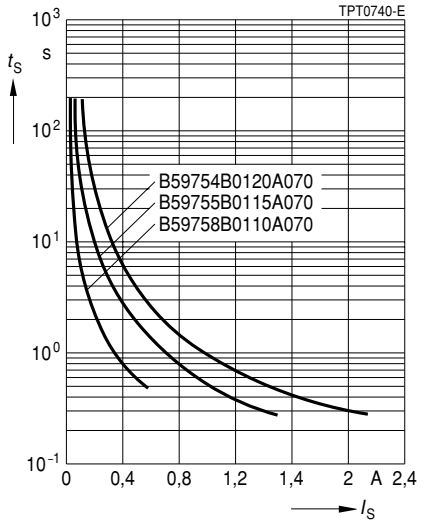
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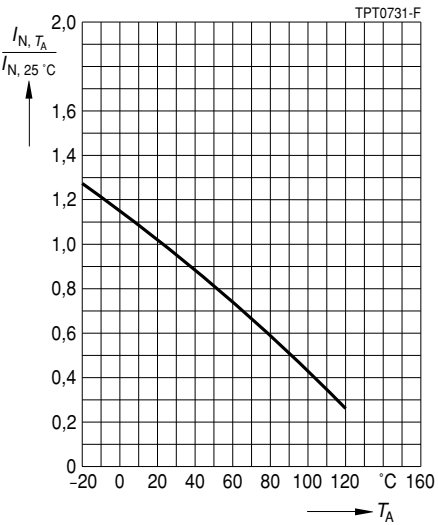
PTC current I_{PTC} versus PTC voltage V_{PTC} (measured at 25 °C in still air)



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

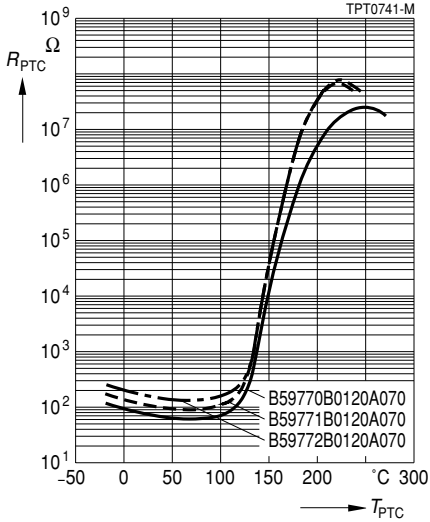


Rated current I_N versus ambient temperature T_A (measured in still air)

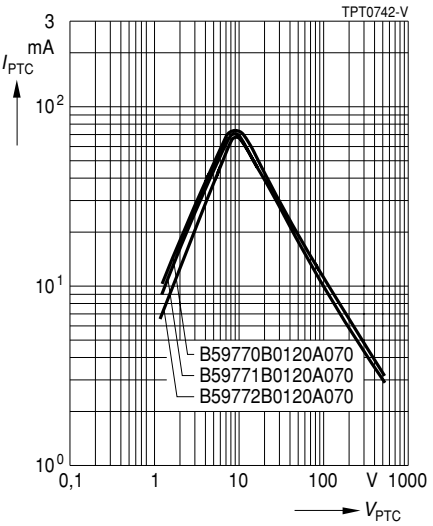


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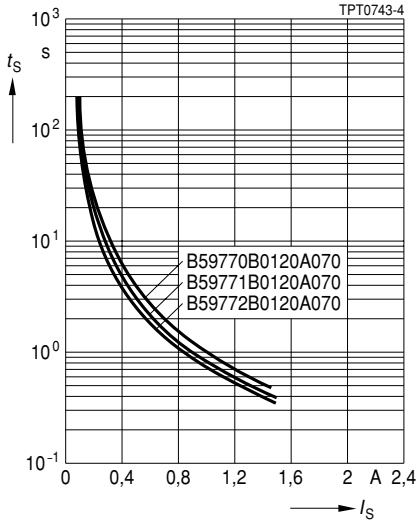
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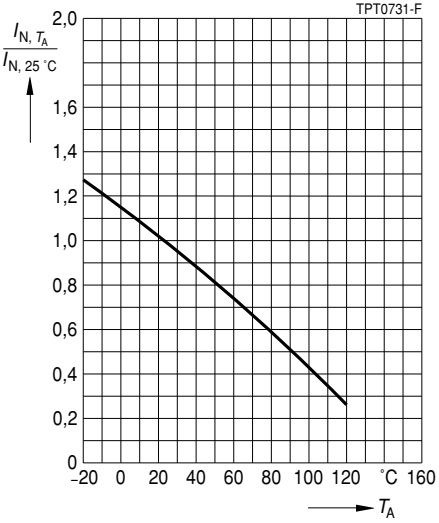
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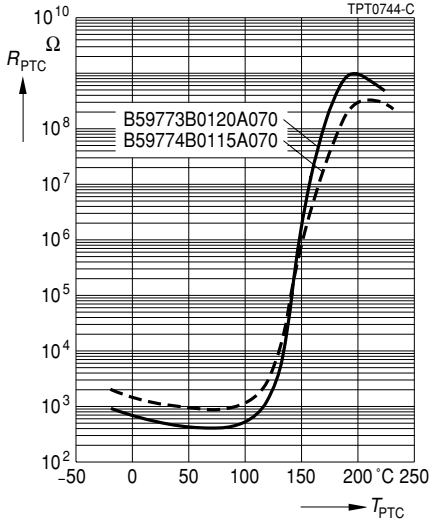


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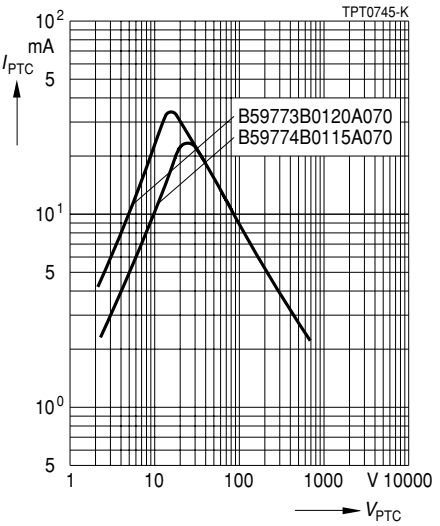


Characteristics (typical)

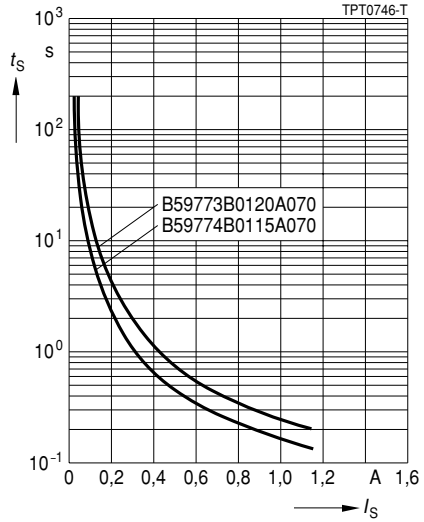
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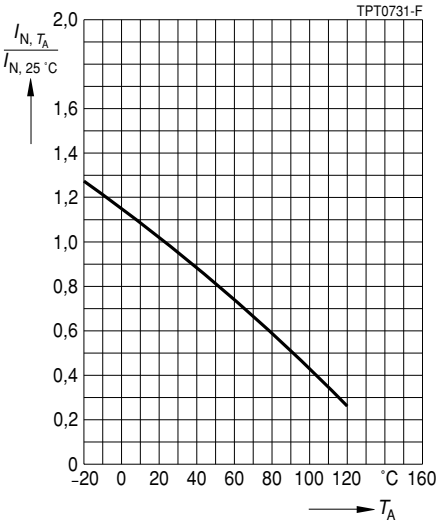
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Switching time t_S versus switching current I_S (measured at 25 °C in still air)



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



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