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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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Applications

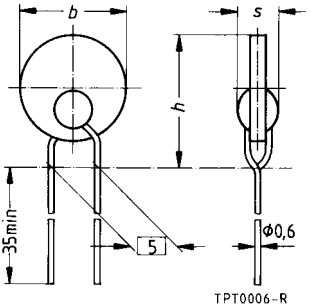
- Overcurrent and short-circuit protection

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

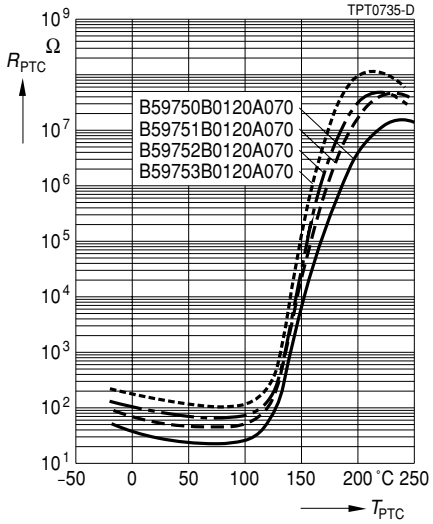
Switching cycles (typ.)	N	100	
Operating temperature range (V = 0)	T_{op}	– 40/+ 125	°C
(V = V_{max})	T_{op}	0/+ 60	°C

Electrical specifications and ordering codes

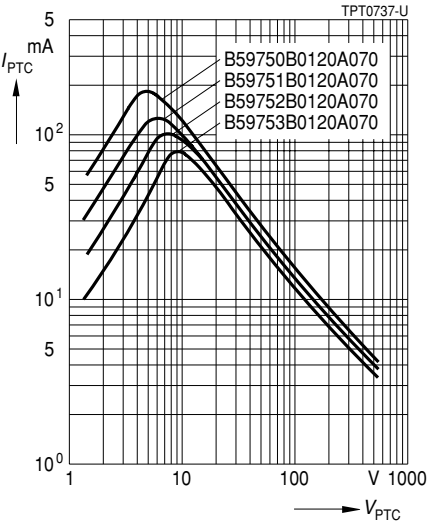
Type	I_N mA	I_S mA	I_{Smax} (V=V_{max}) A	t_S (V_{max}, I_{Smax}) s	I_r (typ.) (V=V_{max}) mA	R_N Ω	R_{min} Ω	Ordering code
V_{max} = 420 V, V_N = 380 V, T_{Ref} = 120 °C (typ.), ΔR_N = ± 25 %								
B 750	123	245	2,0	< 6	4,0	25	13	B59750B0120A070
B 751	87	173	2,0	< 4	3,5	50	26	B59751B0120A070
B 752	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)

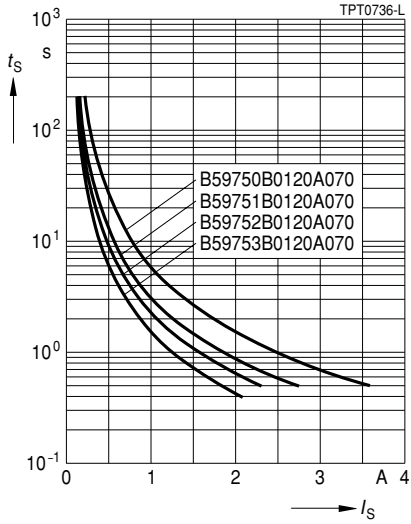
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



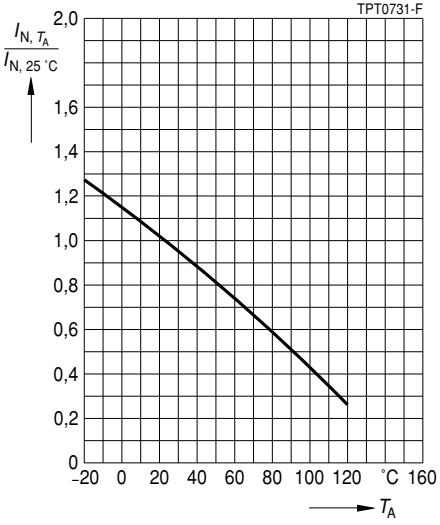
PTC current I_{PTC} versus PTC voltage V_{PTC} (measured at 25 °C in still air)



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

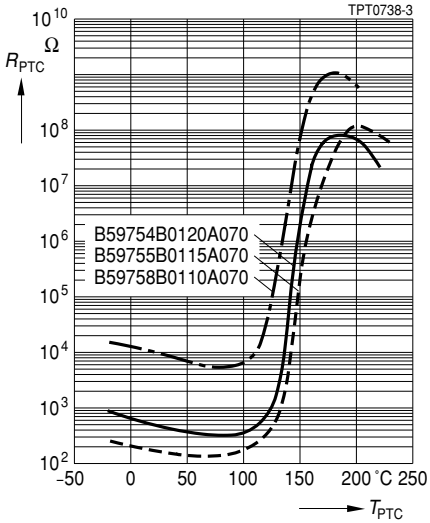


Rated current I_N versus ambient temperature T_A (measured in still air)



Characteristics (typical)

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



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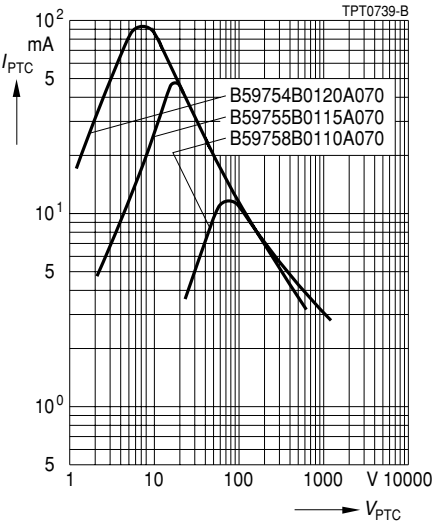
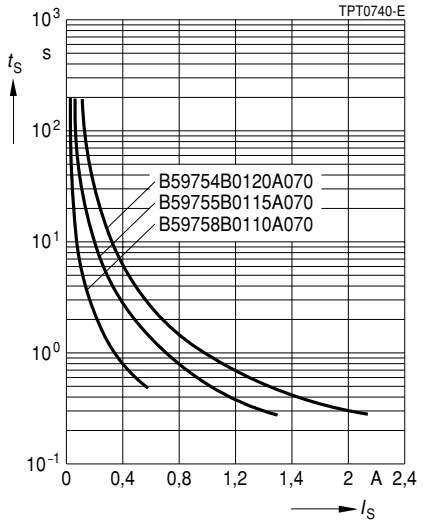
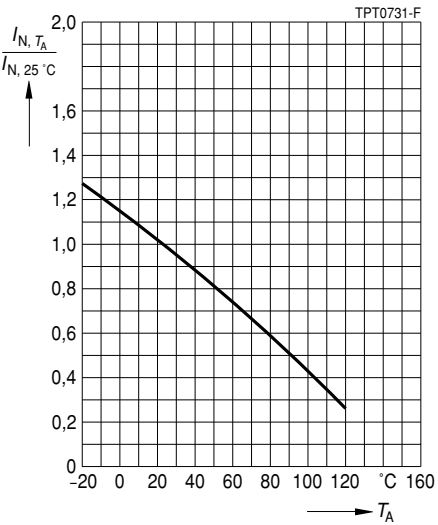


Switching time t_S versus switching current I_S (measured at 25 °C in still air)



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



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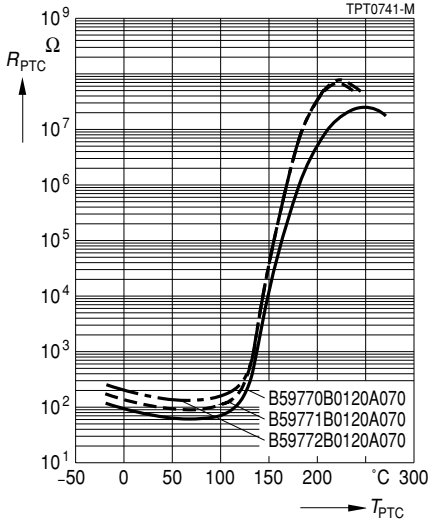
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



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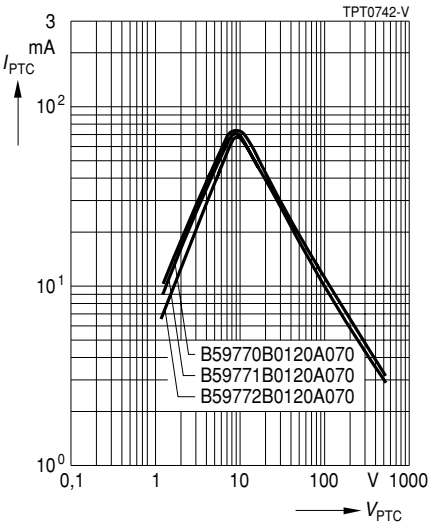

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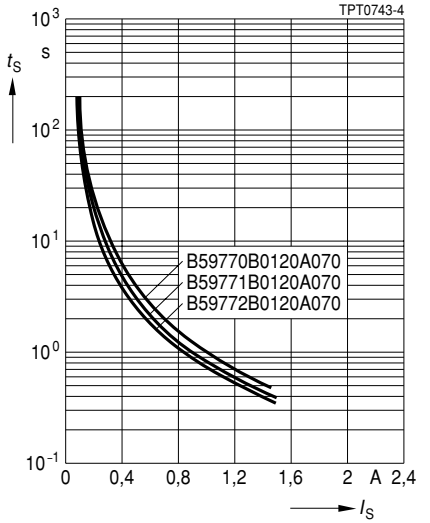
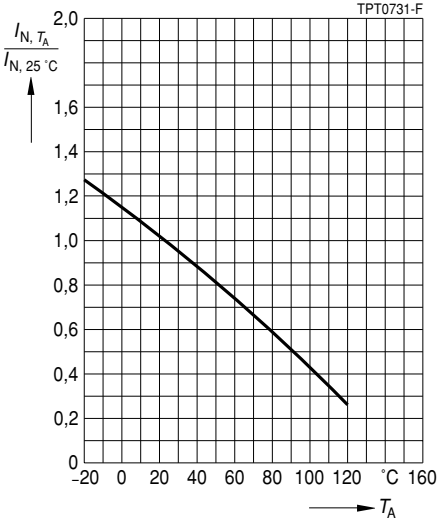


Rated current I_N versus ambient temperature T_A (measured in still air)



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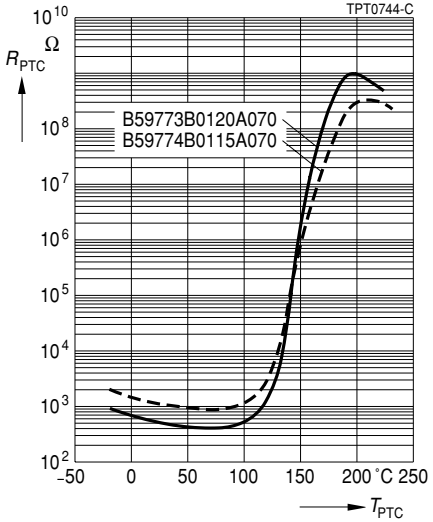
PTC resistance R_{PTC} versus PTC temperature T_{PTC} (measured at low signal voltage)



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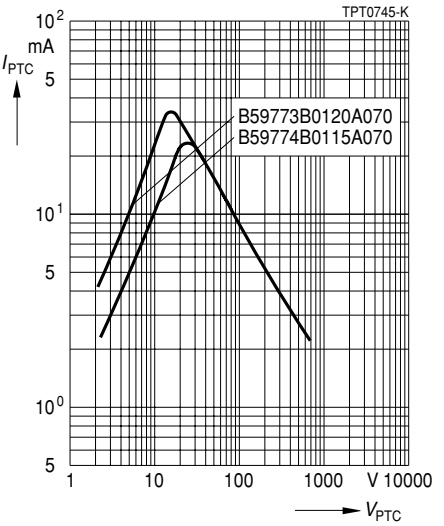

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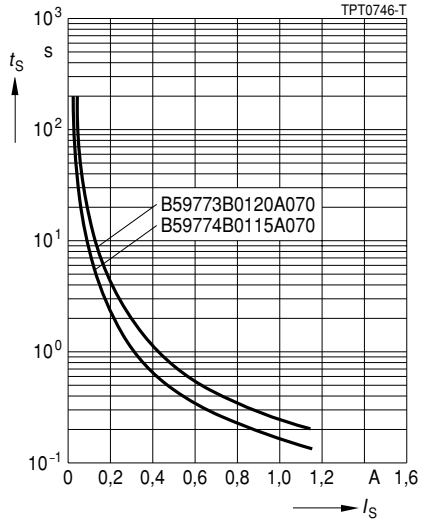
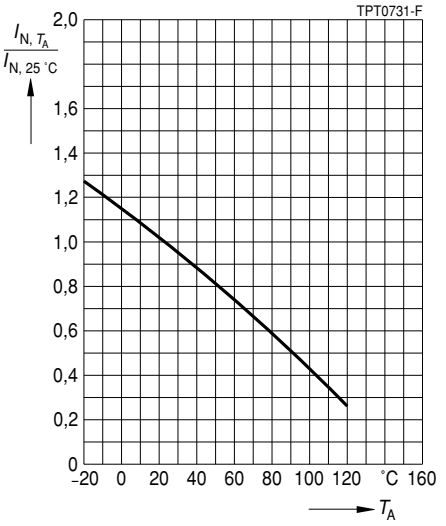


Rated current I_N versus ambient temperature T_A (measured in still air)



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