

Sample Kit 2014

Inrush Current Limiters

Self-Protecting PTC Resistors



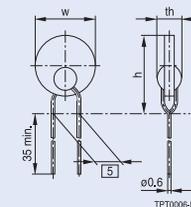
Inrush Current Limiters

Self-protecting PTC resistors

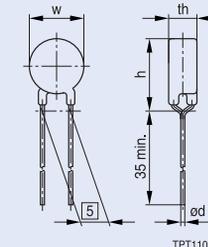
V_{\max} [V AC]	$V_{\text{link, max}}$ [V DC]	R_R [Ω]	ΔR_R [%]	T_{ref} (typ.) [°C]	C_{th} [J/K]	Dimensions in mm				Ordering code
						w_{\max}	h_{\max}	th_{\max}	$\varnothing d$	
Leaded disks, operating cycles at V_{\max} (charging of capacitor)						$N_c > 50000$ cycles				
260	360	25	±25	115	1.0	12.5	16.5	5.0	0.6	B59750B0120A070
260	360	80	±25	115	1.4	12.5	16.5	7.0	0.6	B59752B0120A070
440	620	120	±25	115	1.4	12.5	16.5	7.0	0.6	B59753B0120A070
440	620	150	±25	115	1.4	12.5	16.5	7.0	0.6	B59754B0120A070

The silver metallization layer of uncoated PTC thermistors can discolor over time. This has no effect on electrical or mechanical properties.

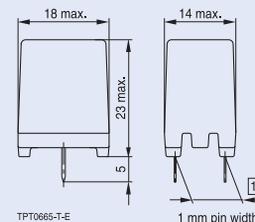
Dimensional drawing [mm]



Leaded disks, coated, operating cycles at V_{\max} (charging of capacitor)						$N_c > 50000$ cycles				
260	360	25	±25	115	1.0	12.5	16.5	5.0	0.6	B59750C0120A070
260	360	50	±25	115	1.4	12.5	16.5	7.0	0.6	B59751C0120A070
440	620	56	±25	130	2.1	15.0	19.0	7.5	0.8	B59451C1130B070
440	620	120	±25	130	2.1	15.0	19.0	7.5	0.8	B59412C1130B070
560	800	500	±25	110	1.4	12.5	16.5	7.0	0.6	B59755C0115A070



In phenolic resin plastic case, operating cycles at V_{\max} (charging of capacitor)						$N_c > 100000$ cycles				
440	620	56	±25	130	2.3	18.0	23.0	14.0	–	B59107J0130A020
560	800	100	±25	130	2.3	18.0	23.0	14.0	–	B59109J0130A020



Applications

- For smoothing and DC link capacitors
- To replace high-power fixed resistors for capacitor charging

Further information: http://www.epcos.com/761864_ptcicl

Important information: It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. Our products are described in detail in our data sheets. Our *Important notes* and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.