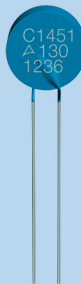


Sample Kit 2012

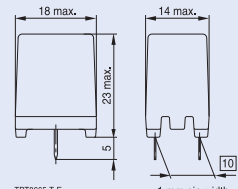
# Inrush Current Limiters

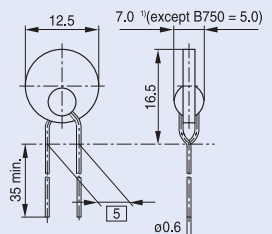
Self-Protecting PTC Resistors



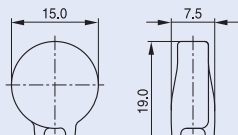
# Inrush Current Limiters

## Self-protecting PTC resistors

$V_{\max}$ [V AC]	$V_{\text{link, max}}$ [V DC]	$R_R$ [Ω]	$\Delta R_R$ [%]	$T_{\text{ref}}$ (typ.) [°C]	$C_{\text{th}}$ [J/K]	Dimensions in mm			Ordering code	Dimensional drawing [mm]
						$w_{\max.}$	$h_{\max.}$	$th_{\max.}$		
<b>In phenolic resin plastic case, operating cycles at <math>V_{\max}</math> (charging of capacitor)</b>						<b><math>N_c &gt; 100000</math> cycles</b>				
260	360	22	±25	130	2.3	18.0	23.0	14.0	B59105J0130A020	
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	

<b>Leaded disks, operating cycles at <math>V_{\max}</math> (charging of capacitor)</b>						<b><math>N_c &gt; 50000</math> cycles</b>				
260	360	25	±25	115	1.0	12.5	16.5	5.0	B59750B0120A070 <sup>1)</sup>	
260	360	50	±25	115	1.4	12.5	16.5	7.0	B59751B0120A070	
260	360	80	±25	115	1.4	12.5	16.5	7.0	B59752B0120A070	
440	620	120	±25	115	1.4	12.5	16.5	7.0	B59753B0120A070	
440	620	150	±25	115	1.4	12.5	16.5	7.0	B59754B0120A070	
560	800	500	±25	110	1.4	12.5	16.5	7.0	B59755B0115A070	

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

<b>Leaded disks, coated, operating cycles at <math>V_{\max}</math> (charging of capacitor)</b>						<b><math>N_c &gt; 50000</math> cycles</b>				
440	620	120	±25	130	2.1	15.0	19.0	7.5	B59412C1130B070	
440	620	56	±25	130	2.1	15.0	19.0	7.5	B59451C1130B070	

### Applications

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

Further information: <http://www.epcos.com/en/1077>

**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.