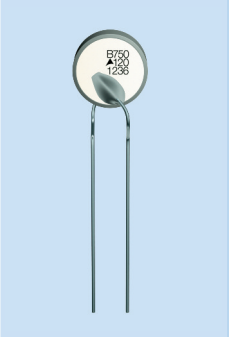
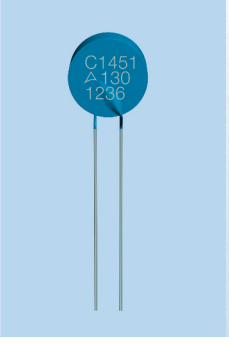
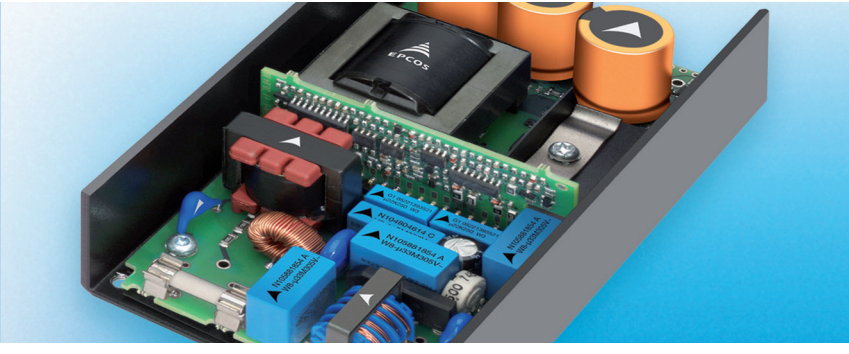
Sample Kit 2014

Inrush Current Limiters

Self-Protecting PTC Resistors







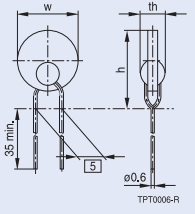
www.epcos.com

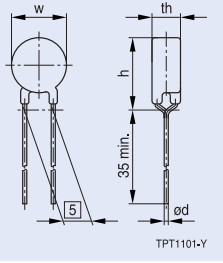
Inrush Current Limiters

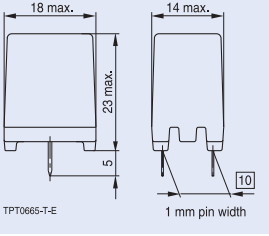
Self-protecting PTC resistors

V_{max} [V AC]	$V_{link, max}$ [V DC]	R_R [Ω]	ΔR_R [%]	$T_{ref\ (typ.)}$ [°C]	C_{th} [J/K]	Dimensions in mm $w_{max.}$	$h_{max.}$	$th_{max.}$	ø d	Ordering code
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.										
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

Dimensional drawing [mm]







Applications

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

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

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Edition 2014 · Ordering No. B59003Z0999A099 · Printed in Germany · SO 0314.4