

Overload Protection

30 V, 120 °C

B 599*5
C 915 ... C 995

Applications

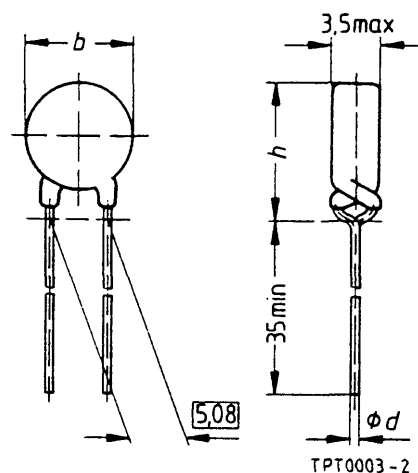
- Overcurrent and short-circuit protection

Features

- Coated thermistor disk
- Manufacturer's logo and type designation stamped on in white
- Low resistance
- For rated currents of up to 2.5 A
- UL approval (E69802)

Options

- Leadless disks and leaded disks without coating available upon request
- Thermistors with diameter $b \leq 11.0$ mm are also available on tape



Dimensions (mm)

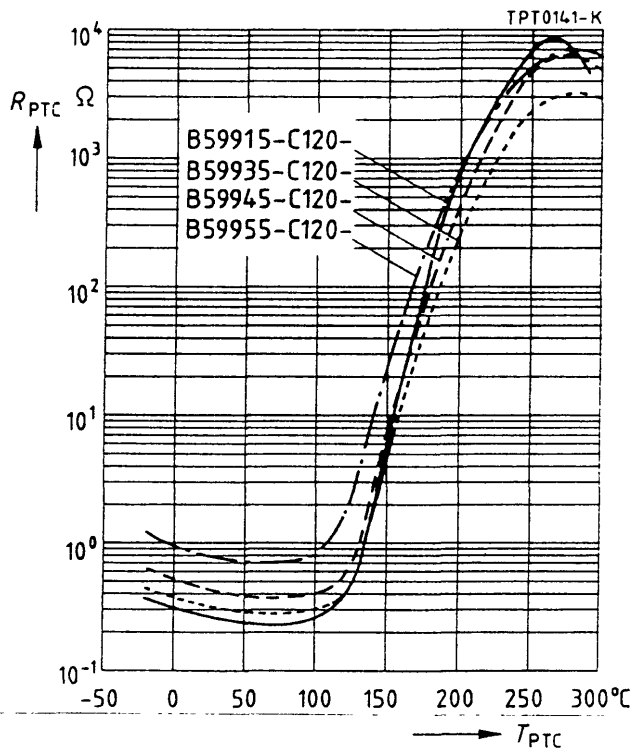
Type	b_{max}	$\varnothing d$	h_{max}
C 915	26.0	0.8	29.5
C 935	22.0	0.6	25.5
C 945	17.5	0.6	21.0
C 955	13.5	0.6	17.0
C 965	11.0	0.6	14.5
C 975	9.0	0.6	12.5
C 985	6.5	0.6	10.0
C 995	4.0	0.5	7.5

Max. operating voltage	$(T_A = 60\text{ °C})$	V_{max}	30	V
Rated voltage		V_N	24	V
Switching cycles (typ.)		N	100	
Switching time		t_S	≤ 10	s
Reference temperature		T_{Ref}	120	°C
Resistance tolerance		ΔR_N	$\pm 25\%$	
Operating temperature range	$(V = 0)$	T_{op}	$-25/+125$	°C
	$(V = V_{max})$	T_{op}	0/60	°C

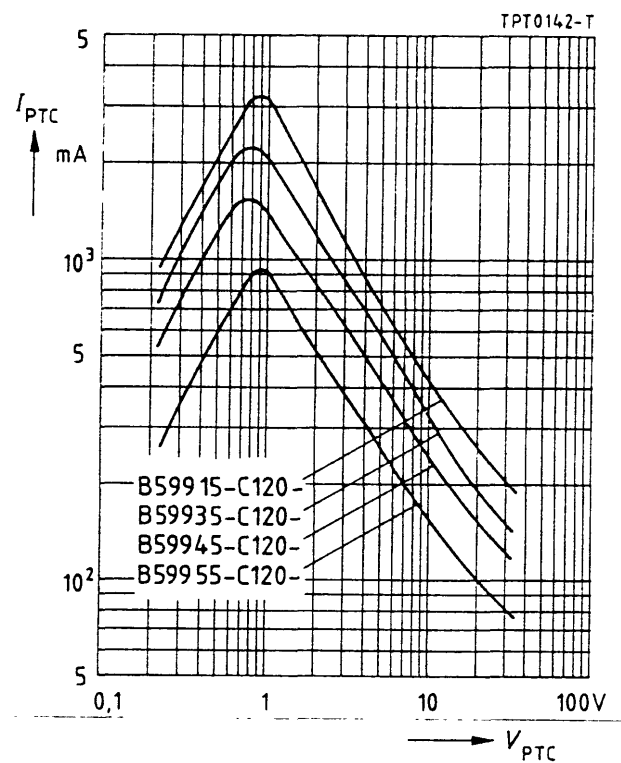
Type	I_N mA	I_S mA	I_{Smax} ($V = V_{max}$) A	I_r ($V = V_{max}$) mA	R_N Ω	R_{min} Ω	Ordering code
C 915	2500	5000	15.0	220	0.2	0.1	B59915-C120-A70
C 935	1800	3600	10.0	170	0.3	0.2	B59935-C120-A70
C 945	1300	2600	8.0	115	0.45	0.3	B59945-C120-A70
C 955	850	1700	5.5	80	0.8	0.5	B59955-C120-A70
C 965	600	1200	4.3	70	1.2	0.7	B59965-C120-A70
C 975	450	900	3.0	60	1.8	1.1	B59975-C120-A70
C 985	250	500	1.0	45	4.6	2.7	B59985-C120-A70
C 995	120	240	0.7	25	13	7.8	B59995-C120-A70

Characteristics (typical)

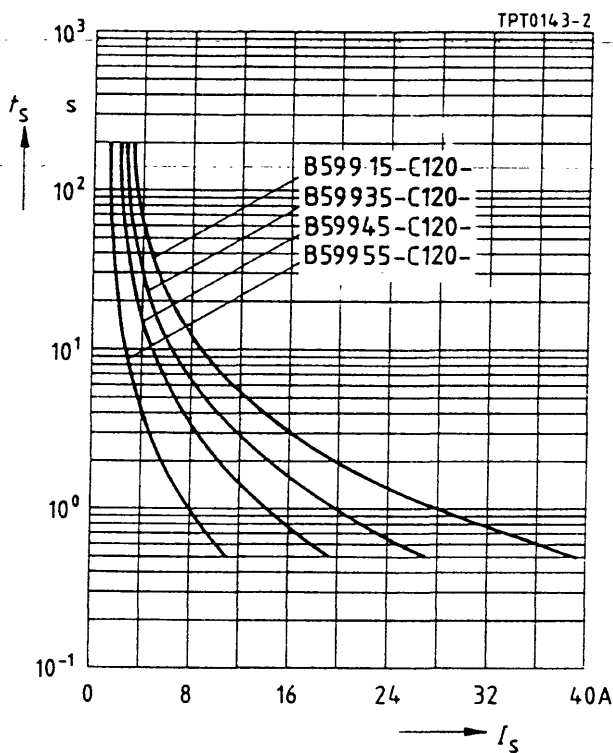
PTC resistance R_{PTC} versus
PTC temperature T_{PTC}
(measured at low signal voltage)



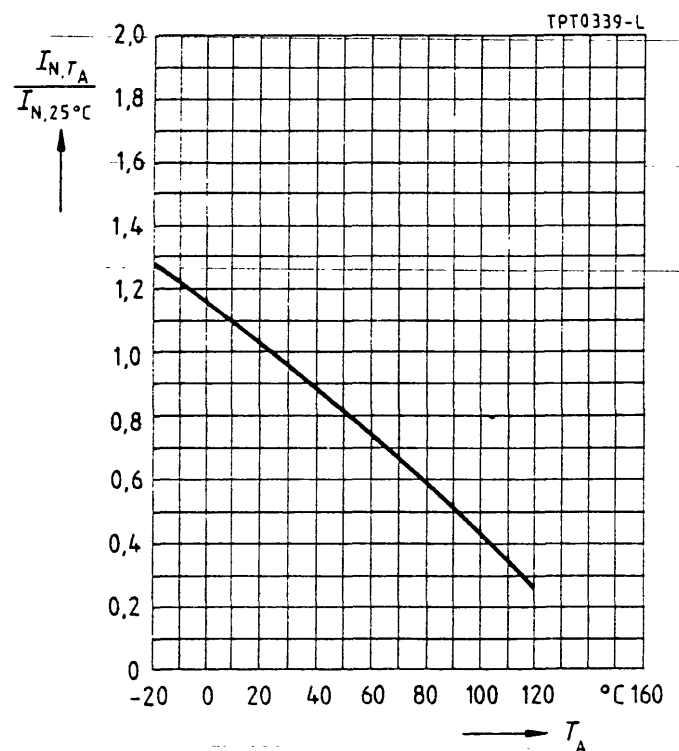
PTC current I_{PTC} versus PTC voltage V_{PTC}
(measured at 25 °C in still air)



Switching time t_s versus switching current I_s
(measured at 25 °C in still air)

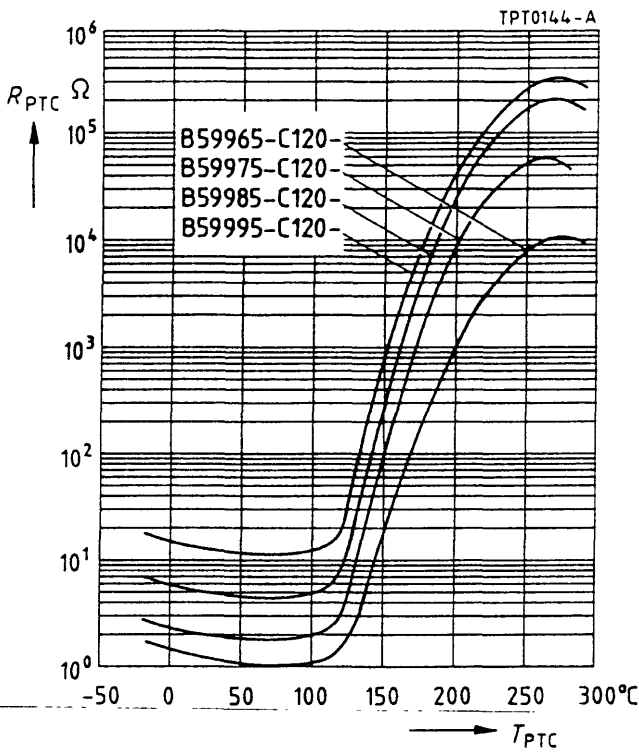


Rated current I_N versus ambient temperature T_A
(measured in still air)

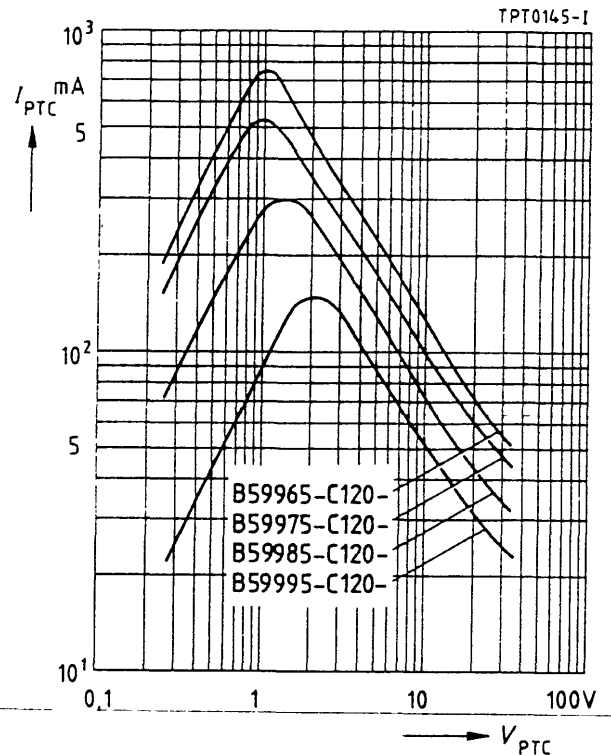


Characteristics (typical)

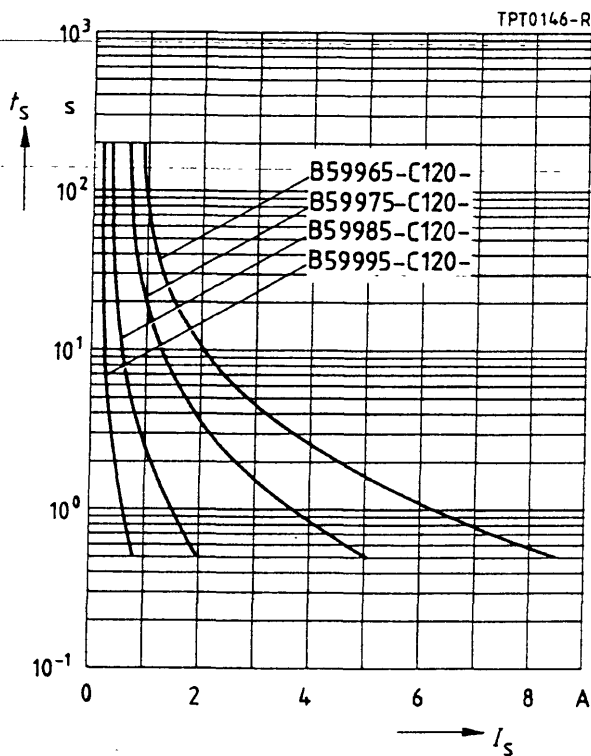
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PTC current I_{PTC} versus PTC voltage V_{PTC}
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Rated current I_N versus ambient temperature T_A
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