



Switching Applications

B59339

PTC Thermistors in Plastic Case, 63 V to 220 V

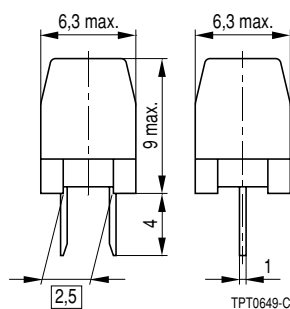
J 280 ... J 290

Applications

- Delayed switching of loads
- For frequent switching

Features

- Encased thermistor disk with clamp contacts
- Flame-retardant plastic case
- Case material UL-listed
- Silver-plated lead-free solder pins
- Manufacturer's logo and type designation stamped on in white
- Stable performance throughout 100 000 switching cycles



Dimensions (mm)

Delivery mode

- Packed in deep-drawn trays

General technical data

Switching cycles (typ.)	N	100000	
Switching time	t_S	$\leq 0,5$	s
Resistance tolerance	ΔR_N	$\pm 25\%$	
Operating temperature range ($V = 0$)	T_{op}	$-25/+125$	$^{\circ}\text{C}$
	T_{op}	$0/+60$	$^{\circ}\text{C}$

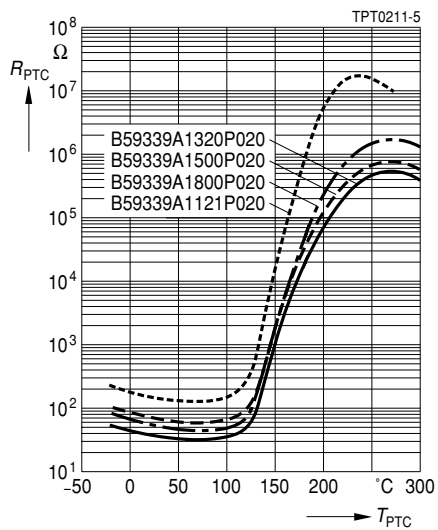
Electrical specifications and ordering codes

Type	T_{Ref} $^{\circ}\text{C}$	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
$V_{max} = 80\text{ V}, V_N = 63\text{ V}$								
J 280	120	77	150	1,10	14	32	20	B59339A1320P020
J 281	120	60	120	0,90	10	50	31	B59339A1500P020
$V_{max} = 160\text{ V}, V_N = 110\text{ V}$								
J 282	120	48	100	0,70	6,0	80	50	B59339A1800P020
J 283	120	39	80	0,58	5,0	120	75	B59339A1121P020
$V_{max} = 265\text{ V}, V_N = 220\text{ V}$								
J 284	120	30	60	0,42	4,0	200	110	B59339A1201P020
J 285	120	24	50	0,33	4,0	320	200	B59339A1321P020
J 286	120	20	40	0,27	3,5	500	260	B59339A1501P020
J 287	120	15	30	0,22	3,0	800	480	B59339A1801P020
J 288	120	13	26	0,18	2,5	1200	630	B59339A1122P020
J 289	120	10	20	0,15	2,0	2000	900	B59339A1202P020
J 290	115	8	16	0,12	1,5	3200	1500	B59339A1322P020

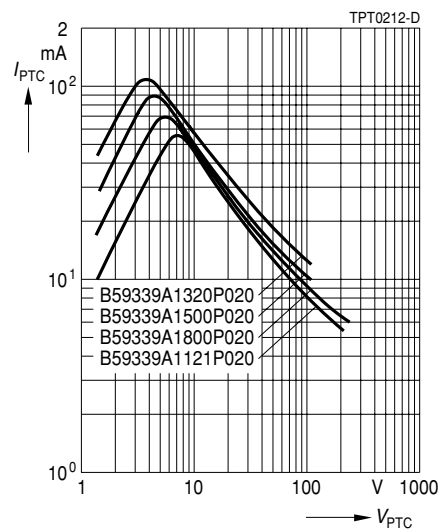


Characteristics (typical)

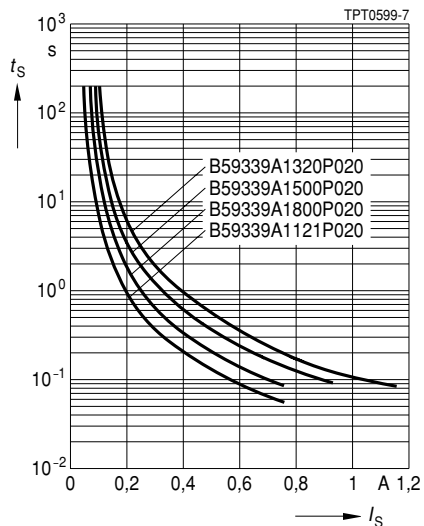
PTC resistance R_{PTC} versus
PTC temperature T_{PTC}
(measured at low signal voltage)



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



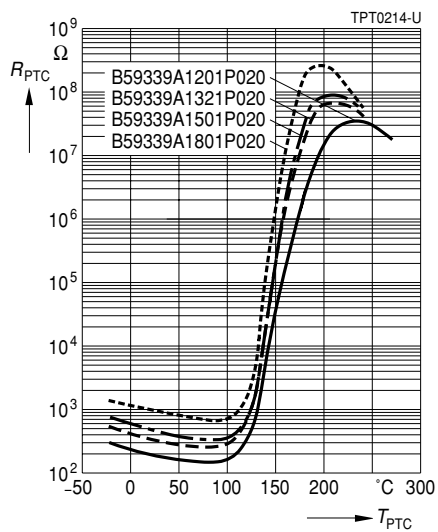
Switching time t_S versus switching current I_S
(measured at 25 °C in still air)



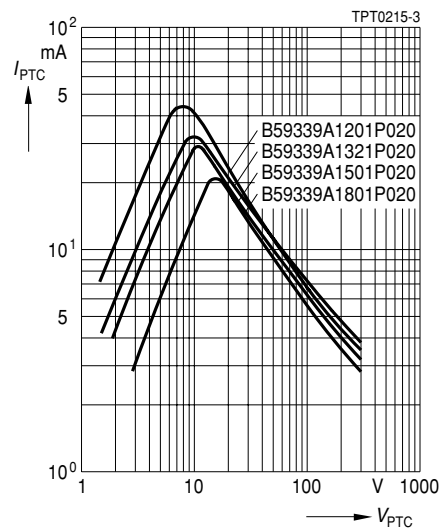


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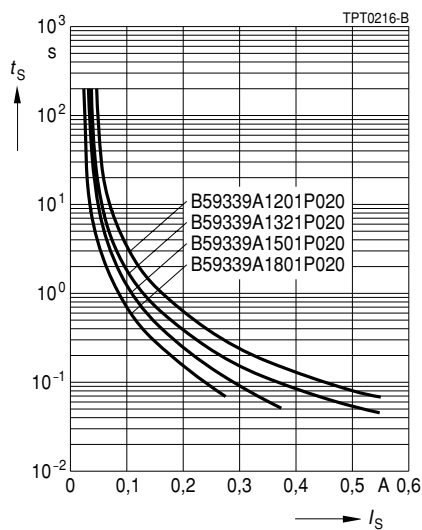
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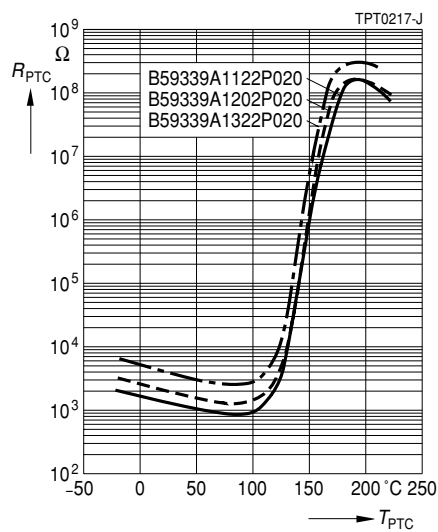
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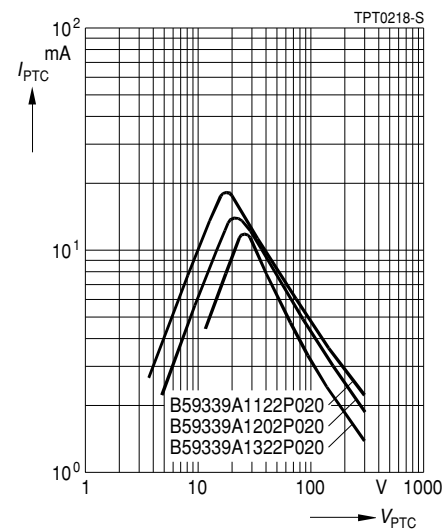


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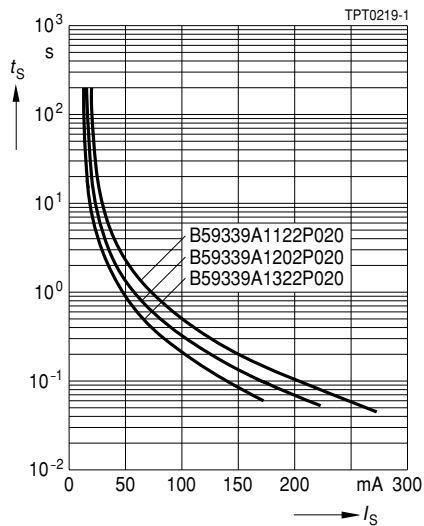
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