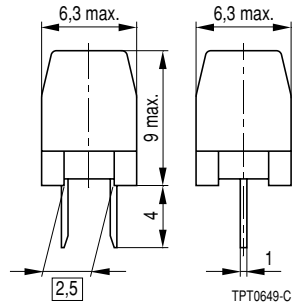


Applications

- Starting resistance in switch-mode power supplies

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 50 000 switching cycles



Dimensions (mm)

Delivery mode

- Packed in deep-drawn trays

General technical data

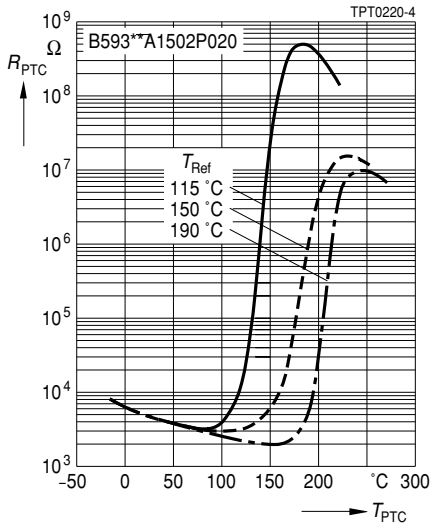
| | | | |
|---|-----------------|------------|--------------------|
| Max. operating voltage ($T_A = 60\text{ °C}$) | V_{\max} | 265 | VAC |
| Rated voltage | V_N | 220 | VAC |
| Switching cycles (typ.) | N | 50000 | |
| Rated resistance | R_N | 5000 | Ω |
| Resistance tolerance | ΔR_N | $\pm 25\%$ | |
| Operating temperature range ($V = 0$) | T_{op} | $-25/+125$ | $^{\circ}\text{C}$ |
| | T_{op} | $0/+60$ | $^{\circ}\text{C}$ |

Electrical specifications and ordering codes

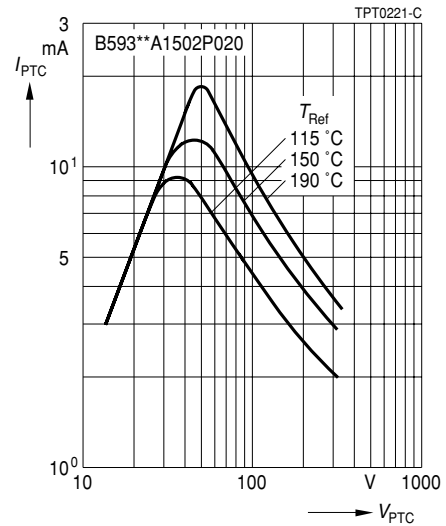
| T_{Ref} $^{\circ}\text{C}$ | I_N mA | I_S mA | $I_{S\max}$ ($V = V_{\max}$) A | t_S s | I_r ($V = V_{\max}$) mA | R_{\min} Ω | Ordering code |
|--|-------------|-------------|--|------------|-----------------------------------|------------------------|-----------------|
| 115 | 7 | 15 | 0,1 | $\leq 0,5$ | 1,5 | 3200 | B59339A1502P020 |
| 150 | 10 | 20 | 0,1 | $\leq 1,0$ | 1,8 | 2800 | B59342A1502P020 |
| 190 | 14 | 30 | 0,1 | $\leq 2,0$ | 2,0 | 2000 | B59346A1502P020 |

Characteristics (typical)

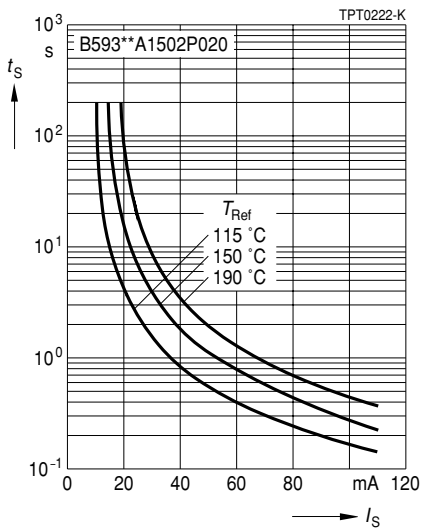
PTC resistance R_{PTC} versus
PTC temperature T_{PTC}
(measured at low signal voltage)



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)



Herausgegeben von EPCOS AG

Unternehmenskommunikation, Postfach 80 17 09, 81617 München, DEUTSCHLAND

☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

© EPCOS AG 2002. Vervielfältigung, Veröffentlichung, Verbreitung und Verwertung dieser Broschüre und ihres Inhalts ohne ausdrückliche Genehmigung der EPCOS AG nicht gestattet.

Bestellungen unterliegen den vom ZVEI empfohlenen Allgemeinen Lieferbedingungen für Erzeugnisse und Leistungen der Elektroindustrie, soweit nichts anderes vereinbart wird.

Diese Broschüre ersetzt die vorige Ausgabe.

Fragen über Technik, Preise und Liefermöglichkeiten richten Sie bitte an den Ihnen nächstgelegenen Vertrieb der EPCOS AG oder an unsere Vertriebsgesellschaften im Ausland. Bauelemente können aufgrund technischer Erfordernisse Gefahrstoffe enthalten. Auskünfte darüber bitten wir unter Angabe des betreffenden Typs ebenfalls über die zuständige Vertriebsgesellschaft einzuholen.

Published by EPCOS AG

Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY

☎ ++49 89 636 09, FAX (0 89) 636-2 26 89

© EPCOS AG 2002. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.