

Heating Elements

B59060

Metallized Round Disks, 12 V

A 60

Applications

- Automotive applications
 - diesel fuel preheating
 - defrosting (e.g. spray nozzle heating)
- Low-voltage home appliances

Features

- Silver metallization
- Suitable for clamp contacting
- Self-regulating

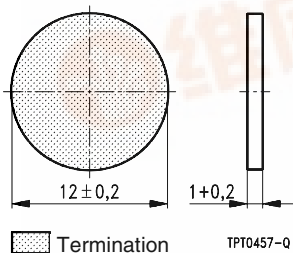
Options

Other dimensions and ratings on request

Delivery mode

Packed in deep-drawn trays

Dimensional drawing



Dimensions (mm)

General technical data

Max. operating voltage	$V_{\max}$	30	VDC
Rated voltage	V_N	12	VDC
Breakdown voltage	V_{BD}	> 36	V
Operating temperature range ($V = 0$)	T_{op}	– 40/+ 200	°C
	T_{op}	– 25/+ 60	°C
	T_{op}	– 25/+ 100	°C
	ΔR_N	± 30 % ¹⁾	
Resistance tolerance		< 0,2	mm



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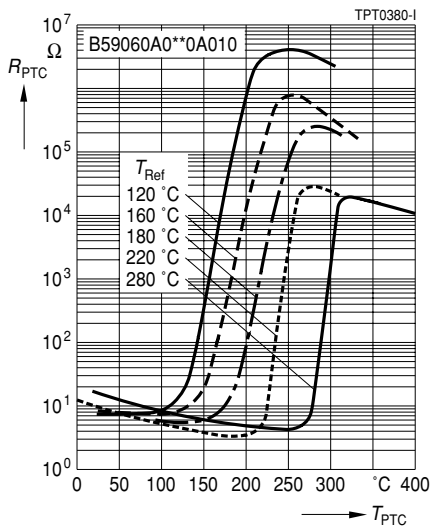
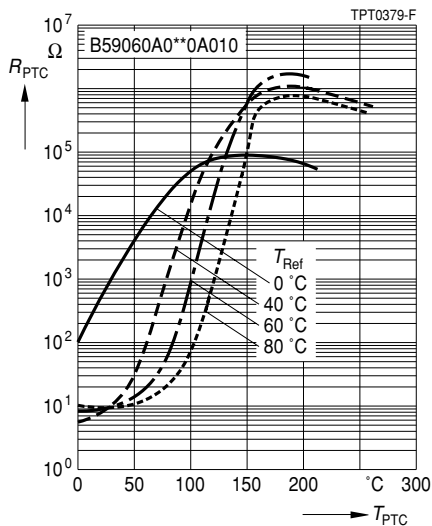
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Electrical specifications and ordering codes

T_{Ref} °C	R_{min} ($V = V_N$) Ω	$T_{\text{surf}}^{2)}$ ($V = V_N$) °C	R_N ($V_{\text{meas}} \leq 1,5 \text{ V}$) Ω	Ordering code
0	20 ¹⁾	40	≥ 320	B59060A0000A010
40	4 ¹⁾	70	9	B59060A0040A010
60	5	80	9	B59060A0060A010
80	4	95	9	B59060A0080A010
120	4	130	9	B59060A0120A010
160	3	165	9	B59060A0160A010
180	3	185	9	B59060A0180A010
220	2	210	9	B59060A0220A010
280	3	265	18	B59060A0280A010

Characteristics (typical)

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



1) $T(R_{\text{PTC}} = R_{\text{min}}) < 25 \text{ °C}$

fragen an unsere Vertriebsgesellschaften im Ausland. Bauelemente können aufgrund technischer E halten. Auskünfte darüber bitten wir unter Angabe des betreffenden Typs ebenfalls über die zuständ zuholen.

Published by EPCOS AG

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This brochure replaces the previous edition.

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