

Heating Elements

B59044

Metallized Rectangular Disks, 42 V Power Net

R 44

Applications

- 42-V automotive applications
 - diesel fuel preheating
 - defrosting
 - additional cabin heating

Features

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

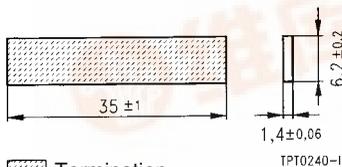
Options

Other dimensions and ratings on request

Delivery mode

Packed in styrofoam trays

Dimensional drawing



 Termination

Dimensions (mm)

General technical data

Max. operating voltage	V_{\max}	50	VDC
Max. operating voltage ($t \leq 400$ ms)	$V_{\max, \text{dyn}}^{1)}$	58	V
Rated voltage	V_N	42	VDC
Breakdown voltage	V_{BD}	> 100	V
Operating temperature range ($V = 0$)	T_{op}	-40/+ 200	°C
	T_{op}	-25/+ 125	°C
Resistance tolerance	ΔR_N	± 50 %	
Curvature		< 0,05	mm

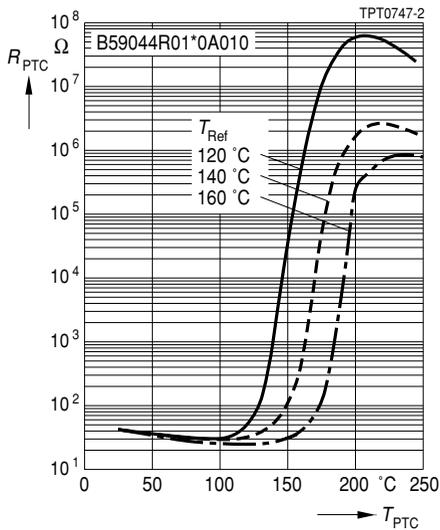


Electrical specifications and ordering codes

T_{Ref} °C	R_{min} ($V = V_N$) Ω	$T_{surf}^{1)}$ ($V = V_N$) °C	R_N ($V_{meas} \leq 1,5 V$) Ω	Ordering code
120	12	135	40	B59044R0120A010
140	12	155	40	B59044R0140A010
160	10	175	40	B59044R0160A010

Characteristics (typical)

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



oder 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.

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