

EPCOS Sample Kit 2012

PTC Thermistors

Heating Elements for 12 V Applications



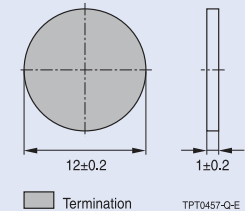
PTC Thermistors

Heating elements for 12 V applications

Type	T _{ref} (typ.) °C	R _{min} (V = V _R) Ω	T _{surf} ¹⁾ (V = V _R) °C	R _R (V _{meas} ≤ 1.5 V) Ω	V _{BD} V	Curvature mm	Ordering code	Dimensional drawing
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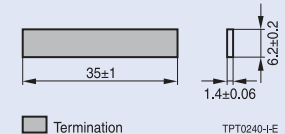
V_{max} = 30 V DC, V_R = 12 V DC

A60	0	20 ²⁾	40	≥ 320	> 36	< 0.2	B59060A0000A010	1
A60	40	4 ²⁾	70	9 ±30%	> 36	< 0.2	B59060A0040A010	2
A60	60	5	80	9 ±30%	> 36	< 0.2	B59060A0060A010	3
A60	80	4	95	9 ±30%	> 36	< 0.2	B59060A0080A010	4
A60	120	4	130	9 ±30%	> 36	< 0.2	B59060A0120A010	5
A60	160	3	165	9 ±30%	> 36	< 0.2	B59060A0160A010	6
A60	180	3	185	9 ±30%	> 36	< 0.2	B59060A0180A010	7



V_{max} = 20 V DC, V_R = 12 V DC

R41	80	1.00	110	3.2 ±50%	> 40	< 0.05	B59041R0080A010	8
R41	120	1.00	145	3.2 ±50%	> 40	< 0.05	B59041R0120A010	9
R41	160	0.75	180	3.2 ±50%	> 40	< 0.05	B59041R0160A010	10
R41	180	0.75	200	3.2 ±50%	> 40	< 0.05	B59041R0180A010	11
R41	220	1.00	230	6.4 ±50%	> 40	< 0.05	B59041R0220A010	12



Application examples:

- A60: Automotive applications such as diesel fuel preheating, defrosting (e.g. spray nozzle heating)/ low-voltage home appliances
- R41: Automotive applications such as diesel fuel preheating, defrosting, additional cabin heating/ low-voltage home appliances

Data sheets are available at: www.epcos.com/ptc_heating

1) Measured between points

2) T (R_{PTC} = R_{min}) < 25 °C

Important information: It is incumbent on the customer to check and decide whether a product is suitable for use in a particular application. Our products are described in detail in our data sheets. Our *Important notes* and the product-specific *Cautions and warnings* must be observed. All relevant information is available through our sales offices.