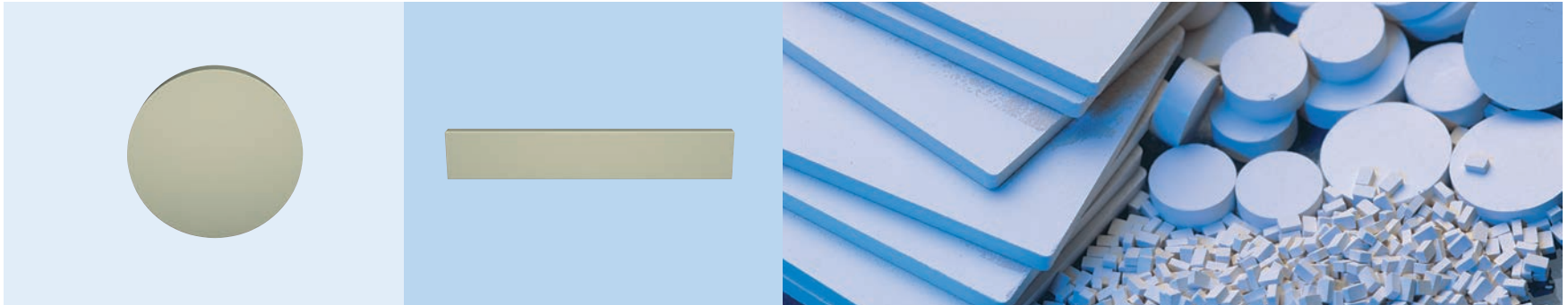




EPCOS Sample Kit 2012

PTC Thermistors

Heating Elements for 230 V Applications



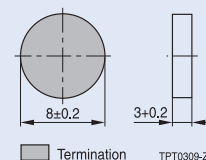
www.epcos.com



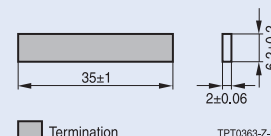
PTC Thermistors

Heating elements for 230 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
V_{max} = 265 V AC, V_R = 230 V AC								
A53	110	960	135	4200 ±35%	500	< 0.2	B59053A0110A010	1
A53	150	700	170	4200 ±35%	500	< 0.2	B59053A0150A010	2
A53	180	530	200	4200 ±35%	500	< 0.2	B59053A0180A010	3
A53	220	640	235	6000 ±35%	500	< 0.2	B59053A0220A010	4
R102	50	225 ²⁾	100	700 ±50%	400	< 0.05	B59102R0050A010	5
R102	70	130	115	700 ±50%	400	< 0.05	B59102R0070A010	6
R102	110	100	145	700 ±50%	400	< 0.05	B59102R0110A010	7
R102	130	105	160	700 ±50%	400	< 0.05	B59102R0130A010	8
R102	150	90	180	700 ±50%	400	< 0.05	B59102R0150A010	9
R102	180	66	205	700 ±50%	400	< 0.05	B59102R0180A010	10
R102	220	80	240	1000 ±50%	400	< 0.05	B59102R0220A010	11
R102	270	85	280	1300 ±50%	340	< 0.05	B59102R0270A010	12



Termination TPT0309-Z-E



Termination TPT0363-Z-E

Application examples:

- A53: Home appliances such as washing machine doorlocks, thermal actuators, insecticide and perfume vaporizers
- R102: Home appliances such as hair curlers, fan heaters, coffee machines, glue guns

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.

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