



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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EPCOS Sample Kit 2012

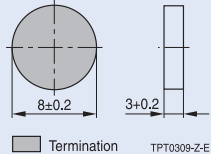
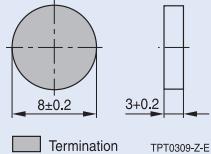
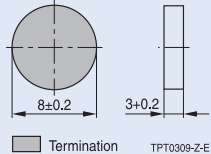
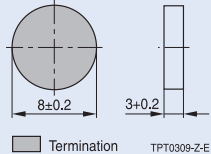
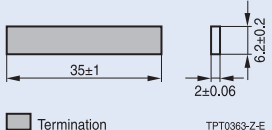
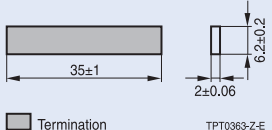
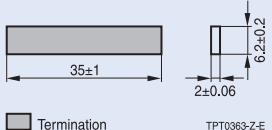
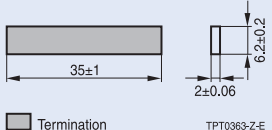
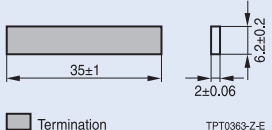
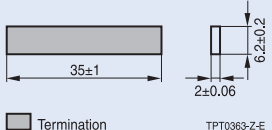
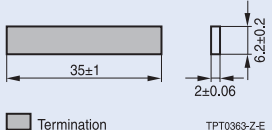
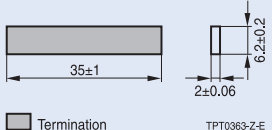
PTC Thermistors

Heating Elements for 230 V Applications



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	
A53	150	700	170	4200 ±35%	500	< 0.2	B59053A0150A010	
A53	180	530	200	4200 ±35%	500	< 0.2	B59053A0180A010	
A53	220	640	235	6000 ±35%	500	< 0.2	B59053A0220A010	
R102	50	225 ²⁾	100	700 ±50%	400	< 0.05	B59102R0050A010	
R102	70	130	115	700 ±50%	400	< 0.05	B59102R0070A010	
R102	110	100	145	700 ±50%	400	< 0.05	B59102R0110A010	
R102	130	105	160	700 ±50%	400	< 0.05	B59102R0130A010	
R102	150	90	180	700 ±50%	400	< 0.05	B59102R0150A010	
R102	180	66	205	700 ±50%	400	< 0.05	B59102R0180A010	
R102	220	80	240	1000 ±50%	400	< 0.05	B59102R0220A010	
R102	270	85	280	1300 ±50%	340	< 0.05	B59102R0270A010	

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.