



Thumble dryer



Compartment heater



Dehumidifier

## 3.01.00 PTC element – Positive Temperature Coefficient

PTC elements offer many advantages such as quick and uniform heating of the element and no power variation despite the presence of air flow. They have a self-regulating function and a long life-time. There is no risk of overheating. PTC technology is also used in tubular and flexible elements.

### >> Material

PTC termistors and aluminium strips, joined with soldering and gluing.  
Possibly frame of heat resistant plastic

### >> Fields of application

Air heaters  
Drying appliances  
Compartment heaters  
Warming plates  
Glue guns  
Tool heating  
Heating systems for vehicles  
Dehumidifiers  
Tumble Driers

### >> Assembly

Assembly in a frame of heat resistant plastic  
In-building in the actual application  
Casting in heat resistant plastic  
Customer specific aluminium profiles

### >> Connection

Voltages: 110-400 VAC, 12-36 VDC

### >> Types

Heating elements  
Immersion heaters  
Heating chips  
As accessory to heating elements  
As accessory to flexible elements

### >> Others

Switching temperature: Curie point min 50°C,  
max 260 °C



Example of product design