

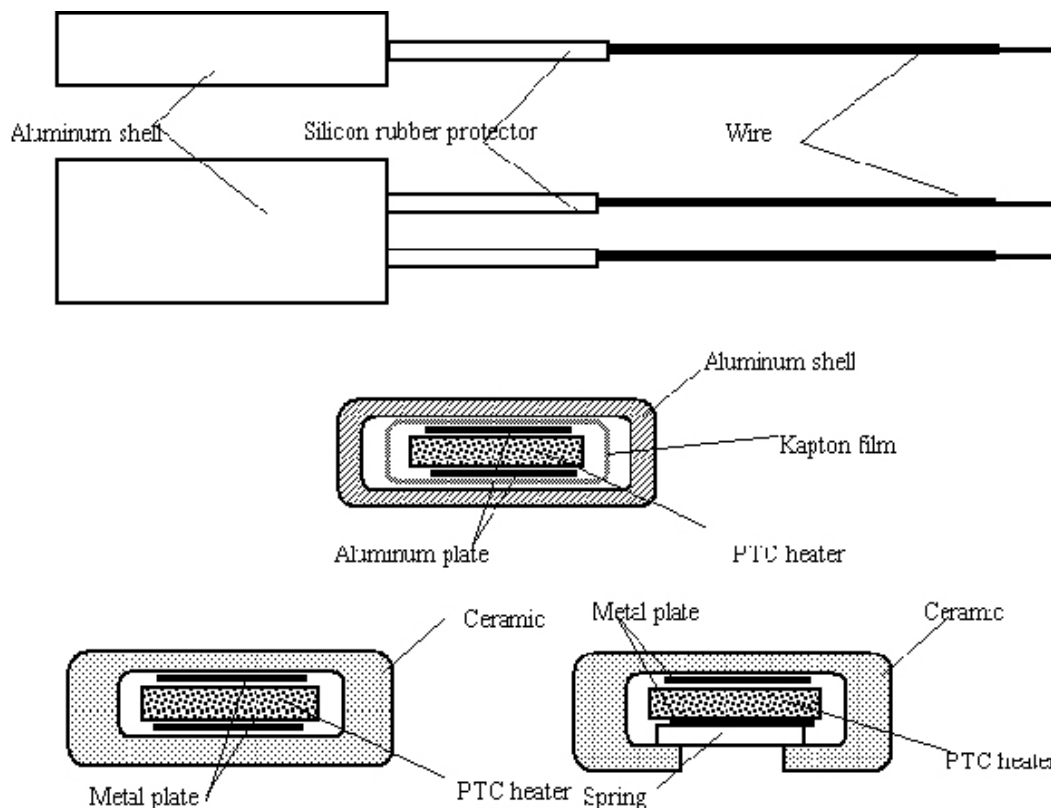
#### 1. Characteristics

- 1.1 After switching on, the heating power is large, and then decrease, finally it become steady state. The steady state power change with appliance conditions. Faster is the heat conduction, higher is the steady state power; higher is the surface temperature, higher is the steady state power.
- 1.2 The surface temperature of PTC can be controlled by itself, control circuit may be omitted in most appliances.
- 1.3 Our PTC products are high reliable, long aging, but if they are assembled improperly, the end product may be loose, power or temperature may be instable.
- 1.4 It operates in long life, and has excellent insulation on high voltage. The surface temperature changes 5~10°C only, when supplied voltage changes 2 time. In liquid heating appliance, when liquid was dried in the container, it's no problem.
- 1.5 Parallel connection is necessary for two or more PTC connection.

#### 2. Application

Hair straightener, hair crimper, wax melting heater, vapor generator, humidifier, water boiler, liquid warmer, coffee warmer, polymer press-coating heater, hot glue gun, chocolate extruder, shoe dryer, hand/foot warmer, massager, physical therapy heater.

#### 3. Dimension (Unit : mm)



**4. Data Sheet**

Part number	Length /mm	Width /mm	Thickness /mm	Surface temperature /°C	High pot /V	Rate voltage /V	Appliances
MT-50V-60A1	30	21	6.8	60	1500	12~36	Self-control heater
MT-265V-70A1	30	21	6.8	70	3750	100~240	Self-control heater
MT-50V-80A1	30	21	6.8	80	1500	12~36	Self-control heater
MT-30V-100A1	40	25	6.8	100	1500	6~12	Self-control heater
MT-50V-130A1	30	21	6.5	130	1500	12~36	Self-control heater
MT-265V-135A1	30	21	6.8	90	3750	100~240	Self-control heater
MT-265V-135A2	31.5	40	7.0	135	3750	100~240	Evaporator
MT-265V-140A1	320	40	7.0	140	3750	100~240	Polymer press-coating
MT-265V-145A1	31.5	20	5.5	145	3750	100~240	Evaporator
MT-265V-145B1	95	34	7.2	145	3750	100~240	Hair straightener
MT-265V-180C1	135	Φ19		180	3750	100~240	Hair crimper iron
MT-265V-190A1	30	20	5.5	190	3750	100~240	Evaporator
MT-265V-190T1	90	28	10	190	3750	100~240	Ceramic shell straightener
MT-50V-220A1	40	25	6.8	210	1500	12~36	Self-control heater
MT-265V-220B1	100	60	8.8	220	3750	100~240	Hair straightener
MT-265V-220 B2	90	44	8.7	220	3750	100~240	Hair straightener
MT-265V-250A1	55	35	6.7	250	3750	100~240	Liquid heater

MT-265V-255 A1	70	21	7.2	255	3750	100~240	Liquid heater
MT-265V-255 A2	50	25	6.8	255	3750	100~240	Liquid heater
MT-265V-255 A3	50	20	6.8	255	3750	100~240	Liquid heater
MT-265V-260A1	60	40	7.3	260	3750	100~240	Liquid heater
MT-265V-260A2	74	63	7.3	260	3750	100~240	Vapour generator

Notice: The surface temperature can be selected between 50°C~280°C, the tolerance of surface temperature is  $\pm 7^{\circ}\text{C}$  usually. Rate voltage can be 6V~240V. Customer designed shapes are possible.