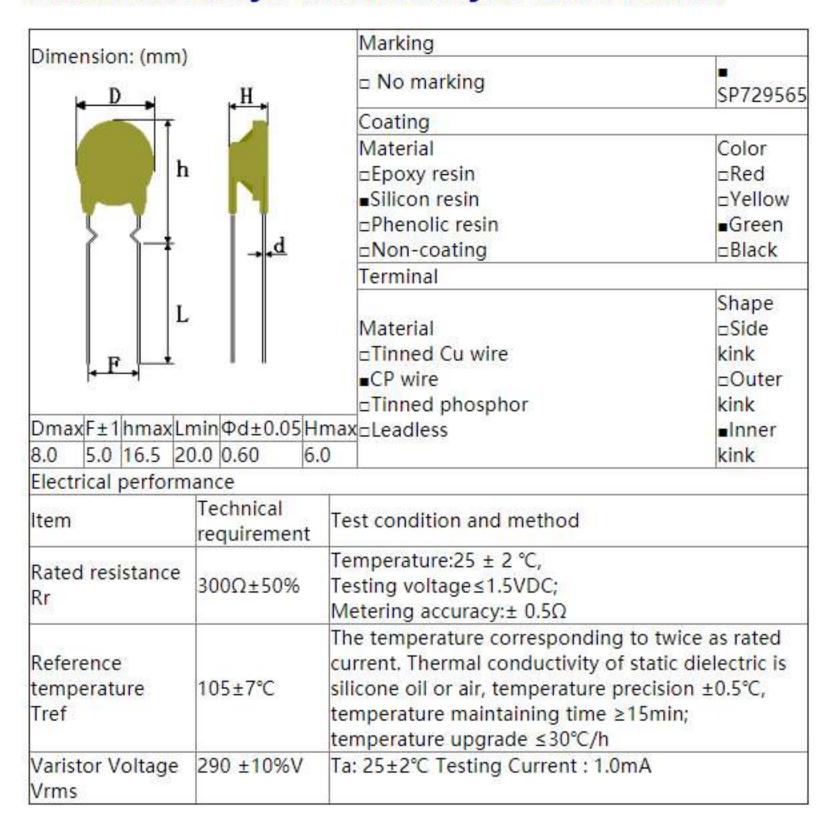
I Description Of The SPMZC Intelligent PTCR PTC Thermistor

Sensors and components need keep improving with the demands of markets for higher and higher quality products. Our company introduced patent producing technology of intelligent PTCR to produce preheating-starting components of electronic ballasts and electronic energy-saving lamps ,which enormously increase the number of switching cycles and life of fluorescent lamps .At the same time ,they overcome temperature warmuping and energy wasting of normal PTCR after they preheated and started electronic ballasts or electronic energy-saving lamps. They enhance luminous flux ,lumen numbers and luminescence efficiency,so they are called another creative revolution of green illuminance electricities.

II Features Of The SPMZC Intelligent PTCR PTC Thermistor

- 1. PTC and varistor composite;
- 2. No heat and no power consumption after the filament is warmed up;
- 3. Small size for easy installation;
- Operating temperature range: -40 -- +125°C(V=Vmax);

III Dimensional Drawing Of The SPMZC Intelligent PTCR PTC Thermistor



IV Application environment Of The SPMZC Intelligent PTCR PTC Thermistor

Ambient temperature: -10 -- +60°C Relative humidity: ≤95%RH(+40°C) Barometric pressure: 86 -- 106Kpa Vibration frequency:10 -- 50Hz Accelerated velocity:98m/s2 Storage temperature: -40 -- +125°C

V Reliability test Of The SPMZC Intelligent PTCR PTC Thermistor

Apperance	No visible damage	Visual test
Solderablity	At least 95% of terminal electrode is covered by new solder	Refer to IEC68-2-20(GB2423.28) Ta Dip each lead into 230±5°C solder for 3~5sec to the 5mm above body
Vibration	No marked defect.	The capacitor shall firmly be soldered to the supporting terminal and vibration, which is 10 to 55Hz in the vibration frequency range, 0.75mm in total amplitude, and about 10Hz to 55Hz and back to 10Hz. According to 4.16 in GB10193-88.
Solder abil <mark>i</mark> ty	The terminals shall be uniformly tinned, and its area ≥95%	Dipping the PTCR's terminals to a depth of 2-0.5mm in a soldering bath of 235±5°C for 5±0.5S.
Resistance to soldering heat	V1mA≤±5% ΔR/Rn≤20% No	After each lead shall be dipped into a solder bath having a temperature 260±5°C. To a point 2.0 to 2.5mm from the body of the unit. Using shielding. Board(t=1.5mm).be held there for specified time (5 series:5±1s and others:10±1s) and then be stored at room temperature and humidity for 1 to 2 hours. Refer to IEC68-2-20(GB2423.28) Tb
Flame- retardant		Refer to IEC695-2-2

Notes:

- 1. The production with a * is also used in electronic ballasts such as T5, T8.
- 2. The data is only for reference, you can forward your detailed requirements if possible.
- 3. We have obtained the SGS test report about the content of Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs, PBDEs in the SPMZC series PTCR.