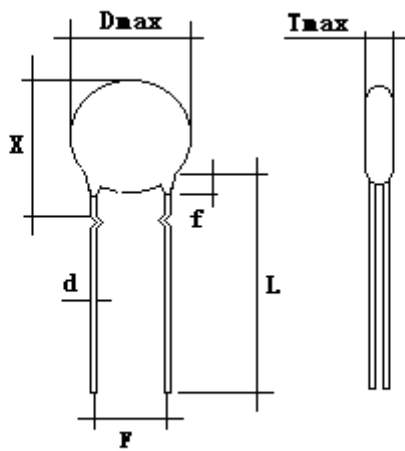


# SPECIFICATION FOR Power NTC thermistors

## NTC 220D-15

### 1. TYPE No: NTC220D-15



### 2. PHYSICAL DIMENSIONS:

规格	尺寸(mm)				
	Dmax	Lmax	C+/-1	Tmax	d+/-0.5
Φ 15	16.4	29	7.5	6	0.7

### 3. ENVELOPMENT AND LEAD WIRE:

Envelopment material: bakelite

lead wire: cp lead

### 4. ELECTRICAL CHARACTERISTICS:

Resistance at 25°C (ohm): 220ohm (176~264ohm)

Max steady state current(A): 1.5A

Thermal dissipation constant: 19mw/°C

Thermal time constant: 90sec

Temperature range: -40~170°C

Remain Resistance: 6310mohm

**5.RELIABILITY TEST:**

	<b>Ltem</b>	<b>Specifications</b>	<b>Test condition</b>
<b>5.1</b>	Solderability	More than 95% of termination Should be covered with new solder	Temperature: 235+/-2°C Solder:Sn:pb=60:40 Duration:2+/-2.5s
<b>5.2</b>	Resistance to soldering heat	No evidence of damage △ R/R≤+/-3% △ B/B≤+/-2%	Temperature: 235+/-2°C Solder:Sn:pb=60:40 Duration:5+/-0.5s
<b>5.3</b>	Terminal strength	No evidence of damage	Applied specified pull strength(5.0kg) for one minute X Y and Z direction 4h/direction Acceleration: 200m/s
<b>5.4</b>	Vibration	△ R/R≤+/-3% △B/B≤+/-2%	
<b>5.5</b>	Resistance value	Ω +/-20%	Test voltage:1.5VDC Temperature: 25+/-2°C
<b>5.6</b>	Insulation resistance	≥500M Ω	Test voltage: 500VDC
<b>5.7</b>	Dielectric withstanding voltage	No evidence of damage or flash over No discharge during test	Apply 700VAC voltage between termination for one second Current allowable value: 5mA
<b>5.8</b>	Temperature shock	No evidence of damage △ R/R≤+/-3% △B/B≤+/-2%	Temperature: -55°C~170°C 5 cycles 30min for each
<b>5.9</b>	Storage temperature	No evidence of damage Insulation resistance≥100M Ω △ R/R≤+/-3% △B/B≤+/-2%	Subjected at the following temperature: 1. 180+/-2°C for 48hours 2. -62+/-2°C for 3hours
<b>5.10</b>	Withstanding current shock	No evidence of damage △ R/R≤+/-3% △B/B≤+/-2%	Temperature: 25+/-2°C Current: A

Note: B constant test:

Resistance value of NTC thermistors shall be tested after 24 hours at room temperature (25+/-1°C)