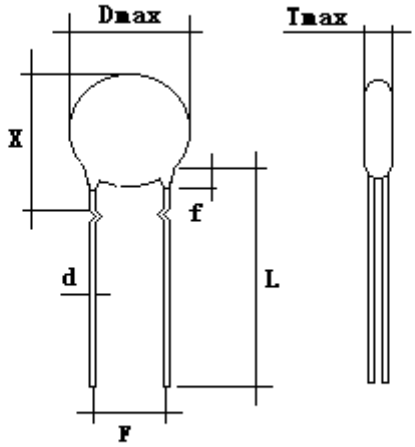
SPECIFICATION FOR

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**
Φ15	**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℃ (ohm): 220ohm（176~264ohm）
Max steady state current(A): 1.5A
Thermal dissipation constant: 19mw/℃
Thermal time constant: 90sec
Temperature range: -40~170℃

Remain Resistance: 6310mohm

5.RELIABILITY TEST:

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

Note: B constant test:

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