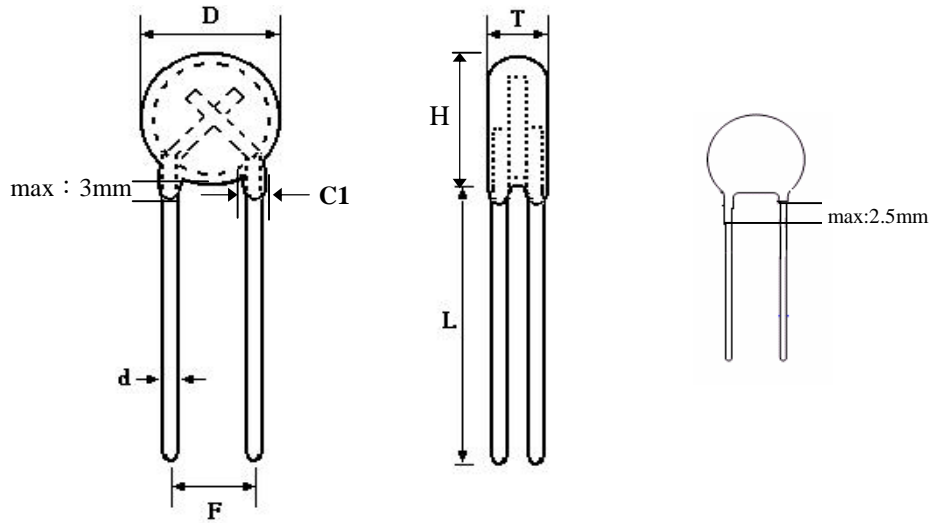


1. Dimensions



D : Diameter with coating

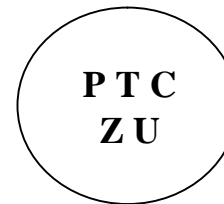
F : Forming Pitch

T : Thickness of thermistor with coating

L : Length of leads

d : Diameter of leads

2. Marking



5Φ	D	F	T	L	d	C1	H
max.	7.0	4.5	5.0	-	0.52	1.60	8.0
\bar{X}	-	3.5	-	-	0.50	-	-
min.	-	2.5	-	25.0	0.48	0.50	-

UNIT : mm

PTC THERMISTORS

PART NO : PDBB2202NS-5



UPPERMOST ELECTRONIC INDUSTRIES CO., LTD.

SPECIFICATIONS

1. Product : Disc Type Overload PTC Thermistor

1-1 Color of Coating : Black

1-2 Material of Coating : Silicone

1-3 Material of Lead : (Cu,Fe,Sn) Material

2. Electrical Characteristics

2-1 Nominal resistance at 25°C : 2K Ω ± 30 %

2-2 Curie Point : 120 °C

2-3 Maximum voltage : 270 Vrms

2-4 Resistance Load Reference : 200 Ω

2-5 Storage Temperature Range : -10 ~ + 125 °C

2-6 Operating Temperature Range : -10 ~ + 60 °C

2-7 Maximum Current : 0.1 A

2-8 Non-trip current(Int) max. at 25°C : 10 mA

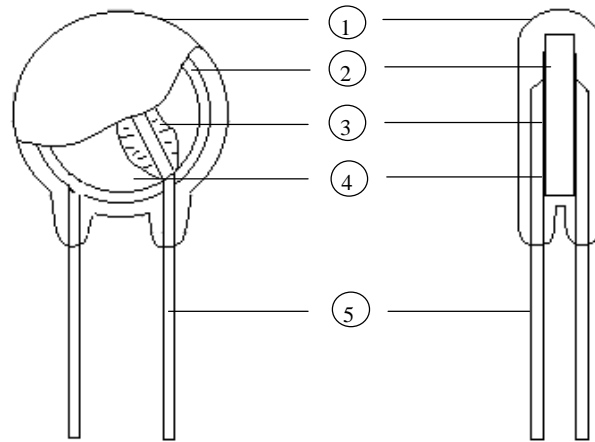
2-9 Trip current(It) min. at 25°C : 28 mA

3. Terminal Strength

3 - 1 Bending Strength : load 0.5 kg , bend 2 times.

3 - 2 Pull Test : load 1.0 kg , time 5 sec.

5. Construction Diagram



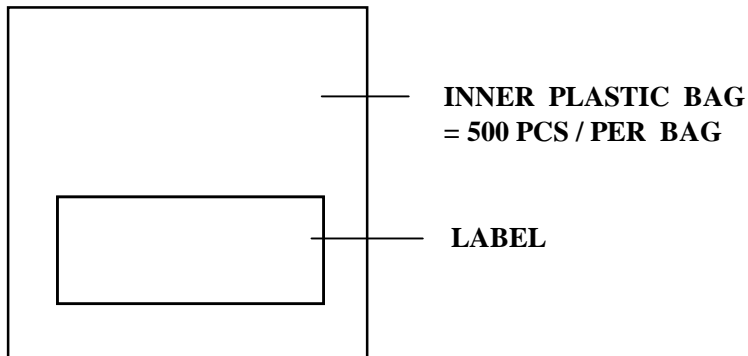
No.	Component	Material
1	Coating	Silicone
2	PTC Thermistor	BaTiO ₃
3	Solder	Sn-Ag
4	Electrode	Ag
5	Lead Wire	(Cu,Fe,Sn) Material

6. PACKING METHOD



1.MATERIAL OF PACKING

ITEM	MATERIAL	SIZE (L*W*H) mm
INNER PLASTIC BAG	POLYESTER	200 * 130 * 0.08
CARTON	CARTON PAPER	310 * 255 *240

2.PACKING DETAIL

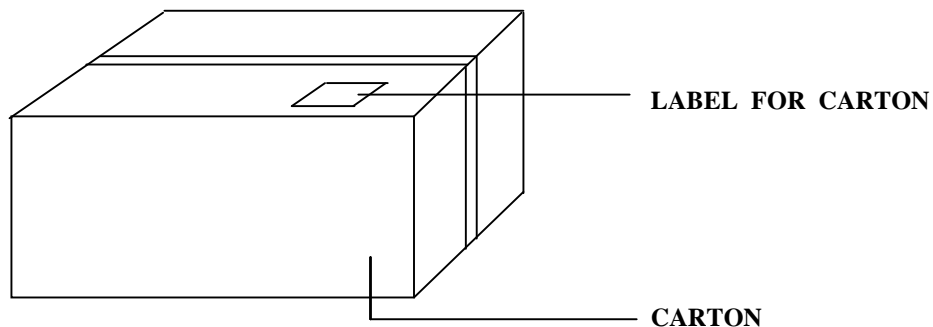


LABEL :

	UPPERMOST The Manufacturer of NTC/PTC/VDR	
CUST. P/N :		
PART NO : PDBB2202 S-5		
LOT NO : * *		
Q · TY : 500 DATE:××/××/××××		

3.PACKING METHOD

500 PCS / BAG * 40 BAG / CARTON = 20000 PCS / CARTON



Part Number Code.

Example :

P D B B 2 2 0 2 N S - 5
(1) (2) (3) (4) (5) (6) (7) (8)

(1) PTC. (Positive Temperature Coefficient)

(2) Disc Type

(3) Nominal Diameter

Code	B	D	E	G	J
(Φ)mm	5	8	10	13	15

(4) Temp. Curie Point

Code	S5~S9	B0~B2
CP(°C)	50~90	100~120

(5) Resistance of 25°C

8R0 : 8Ω
101 : 100Ω
152 : 1500Ω

(6) Tolerance of Resistance

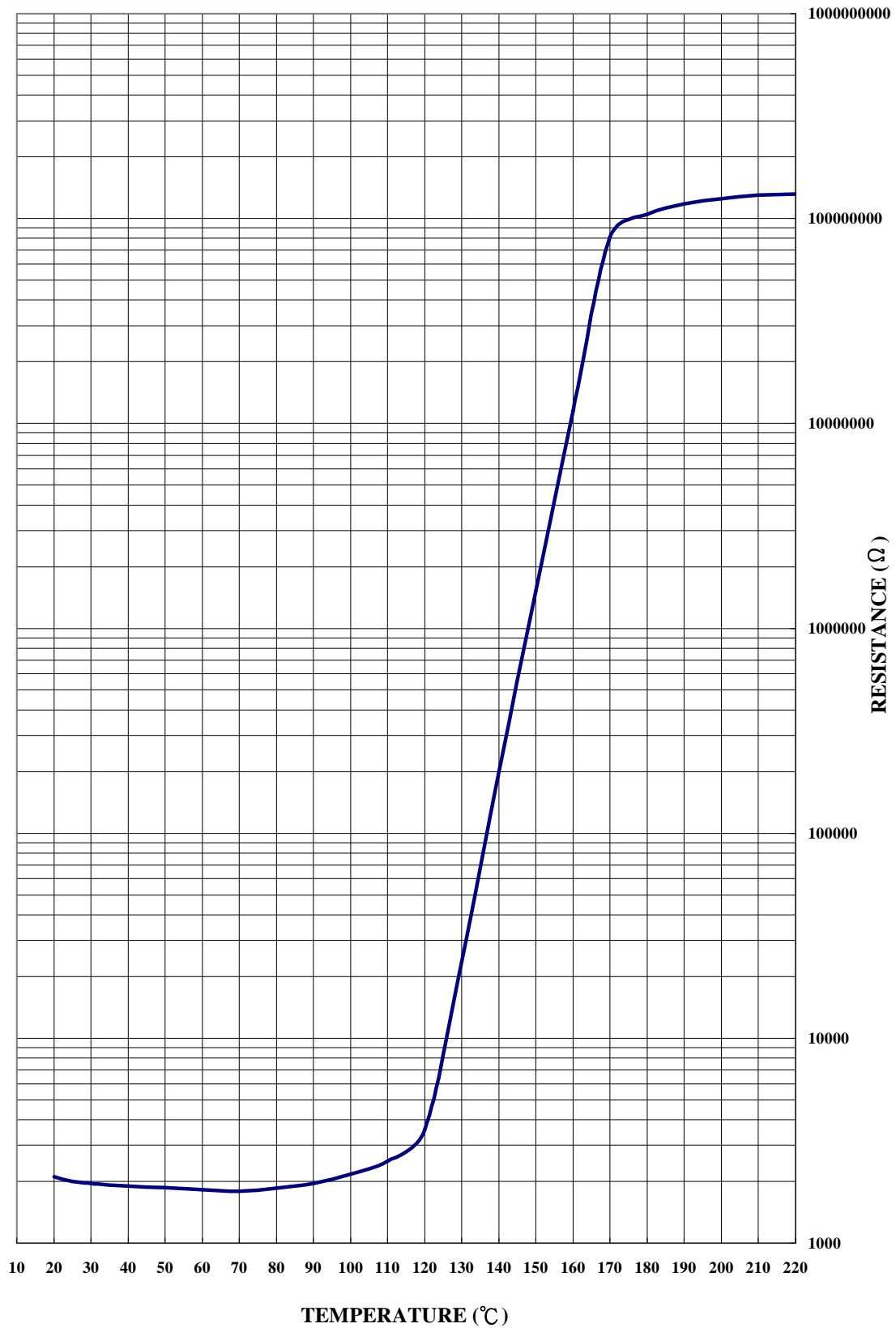
M : ±20%
X : ±25%
N : ±30%

(7) Rated Voltage

J : 50Vac
Q : 110Vac/120Vac
S : 220Vac

(8) RoHS Type

R-T Curve (Nominal) Paet No : PDBB2202 S



V-I Curve (Nominal) Part No. : PDBB2202 S

