




**Electrical Characteristics**

| Type No. | Maximum Allowable Voltage |        | Varistor Voltage V /0.1mA |           | Maximum Clamping Voltage V@5A (V) | Withstanding Surge Current |             | Rated Wattage (W) | Energy 10/1000us (J) | Certification  |
|----------|---------------------------|--------|---------------------------|-----------|-----------------------------------|----------------------------|-------------|-------------------|----------------------|--|
|          | ACrms (V)                 | DC (V) | (V)                       | Tolerance |                                   | 1 Time (A)                 | 2 Times (A) |                   |                      |  |
| 5N221K   | 140                       | 180    | 220                       | ±10%      | 380                               | 400                        | 200         | 0.1               | 7.8                  | <br>☆ ★ ★ |
|          |                           |        |                           |           |                                   |                            |             |                   |                      |  |
|          |                           |        |                           |           |                                   |                            |             |                   |                      |  |
|          |                           |        |                           |           |                                   |                            |             |                   |                      |  |
|          |                           |        |                           |           |                                   |                            |             |                   |                      |  |

※The clamping voltage from 080P to 680K are tested at current 1A.

Material of coating : Epoxy powder

Color of coating : Yellowish brown

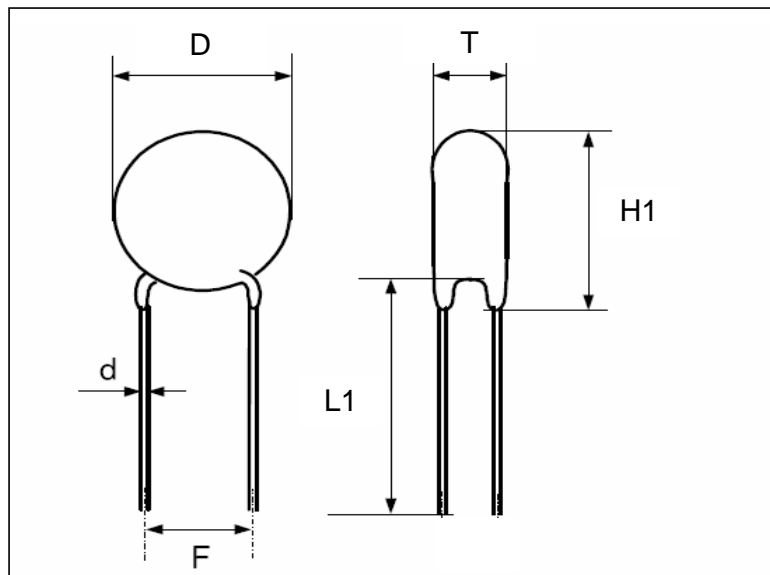
Storage condition→ Temperature: -40℃~125℃/ Humidity : 75%RH max. Status

Operation temperature range(18V~150V) : -40 to 85 °C

Operation temperature range(180V~1800V) : -40 to 125 °C

Lead style :

- P : Straight type
- Y : Kink type
- I : Inside kink type
- E : Outside kink type



**DIMENSION :**

( Unit : mm )

| Type No. | D max. | T max. | L1 min | F±1.0 | d±0.05 | H1 max |
|----------|--------|--------|--------|-------|--------|--------|
| 5N221K   | 7.5    | 4.3    | 25.0   | 5.0   | 0.6    | 10.5   |
|          |        |        |        |       |        |        |
|          |        |        |        |       |        |        |
|          |        |        |        |       |        |        |