

## Safety standard recognized ceramic capacitor

- ☐ across-the-line
- ☐ antenna coupling
- ☐ line by-pass

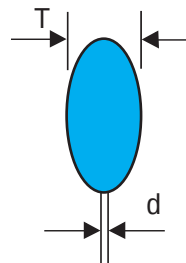
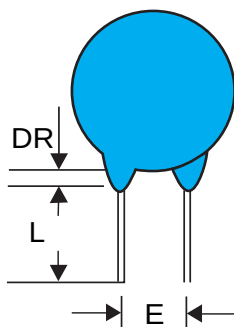
## Approval license and file number

| Agencies | Standard NO.                                        | Recognized File NO. | Class & W.V.       | Capacitance Valuse |
|----------|-----------------------------------------------------|---------------------|--------------------|--------------------|
| UL       | UL 1414                                             | E 189495, Vol.1     | AC250V             | 101-103            |
| CSA      | C22.2NO.1                                           | LR 111381-1         | AC250V             | 101-103            |
| VDE      | IEC384-14 2 <sup>nd</sup> Ed.1993<br>EN132 400:1994 | 104855              | X1:400V<br>Y2:250V | 101-103            |
| FIMKO    | IEC384-14 2 <sup>nd</sup> Ed.1993<br>EN132 400:1994 | F1886               | X1:400V<br>Y2:250V | 101-103            |
| SEMKO    | IEC384-14 2 <sup>nd</sup> Ed.1993<br>EN132 400:1994 | 9741064/01-02       | X1:400V<br>Y2:250V | 101-103            |
| NEMKO    | IEC384-14 2 <sup>nd</sup> Ed.1993<br>EN132 400:1994 | P97102472           | X1:400V<br>Y2:250V | 101-103            |
| DEMKO    | IEC384-14 2 <sup>nd</sup> Ed.1993<br>EN132 400:1994 | 307053              | X1:400V<br>Y2:250V | 101-103            |
| SEV      | IEC384-14 2 <sup>nd</sup> Ed.1993<br>EN132 400:1994 | 97,7 70742,01       | X1:400V<br>Y2:250V | 101-103            |

## Electrical Specification

| Items                 | Specification                      | Testing method    |
|-----------------------|------------------------------------|-------------------|
| Capacitance           | To be within the spec tolerance.   | Test at 1±0.2Vrms |
| Dissipation factor    | Y5P Y5U : 2.5% max<br>Y5V : 5% max | 1 KHz, 25°C       |
| Insulation resistance | I.R ≥ 10GΩ                         | Test at 500VDC    |
| Dielectric strength   | To be with standing                | 2600VAC for 60sec |

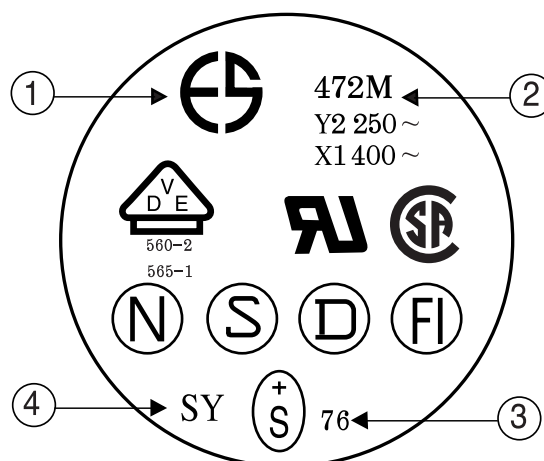
## Range chart v.s. size



| R.V.  | CAP.  | TOL. | T.C. | D.max<br>mm | F.±<br>1.0 mm | L.<br>mm     | D.R.<br>mm | d±<br>0.5 mm | T.<br>mm |
|-------|-------|------|------|-------------|---------------|--------------|------------|--------------|----------|
| 250 V | 101 K | ±10  | Y5P  | 8           | 7.5           | >25<br>(min) | <3.5       | 0.6          | <7       |
|       | 151 K | ±10  | Y5P  | 8           | 7.5           |              |            |              |          |
|       | 221 K | ±10  | Y5P  | 9           | 7.5           |              |            |              |          |
|       | 331 K | ±10  | Y5P  | 9           | 7.5           |              |            |              |          |
|       | 471 K | ±10  | Y5P  | 10          | 7.5           |              |            |              |          |
|       | 681 K | ±10  | Y5P  | 10          | 7.5           |              |            |              |          |
| 400 V | 681 K | ±20  | Y5P  | 9           | 7.5           |              |            |              |          |
|       | 102 M | ±20  | Y5U  | 9           | 7.5           |              |            |              |          |
|       | 152 M | ±20  | Y5U  | 10          | 7.5           |              |            |              |          |
|       | 222 M | ±20  | Y5U  | 11          | 7.5           |              |            |              |          |
|       | 332 M | ±20  | Y5U  | 13          | 7.5           |              |            |              |          |
|       | 472 M | ±20  | Y5U  | 16          | 7.5/10        |              |            |              |          |
|       | 472 M | ±20  | Y5V  | 13          | 7.5/10        |              |            |              |          |
| (AC)  | 103 M | ±20  | Y5V  | 20          | 7.5/10        |              |            |              |          |

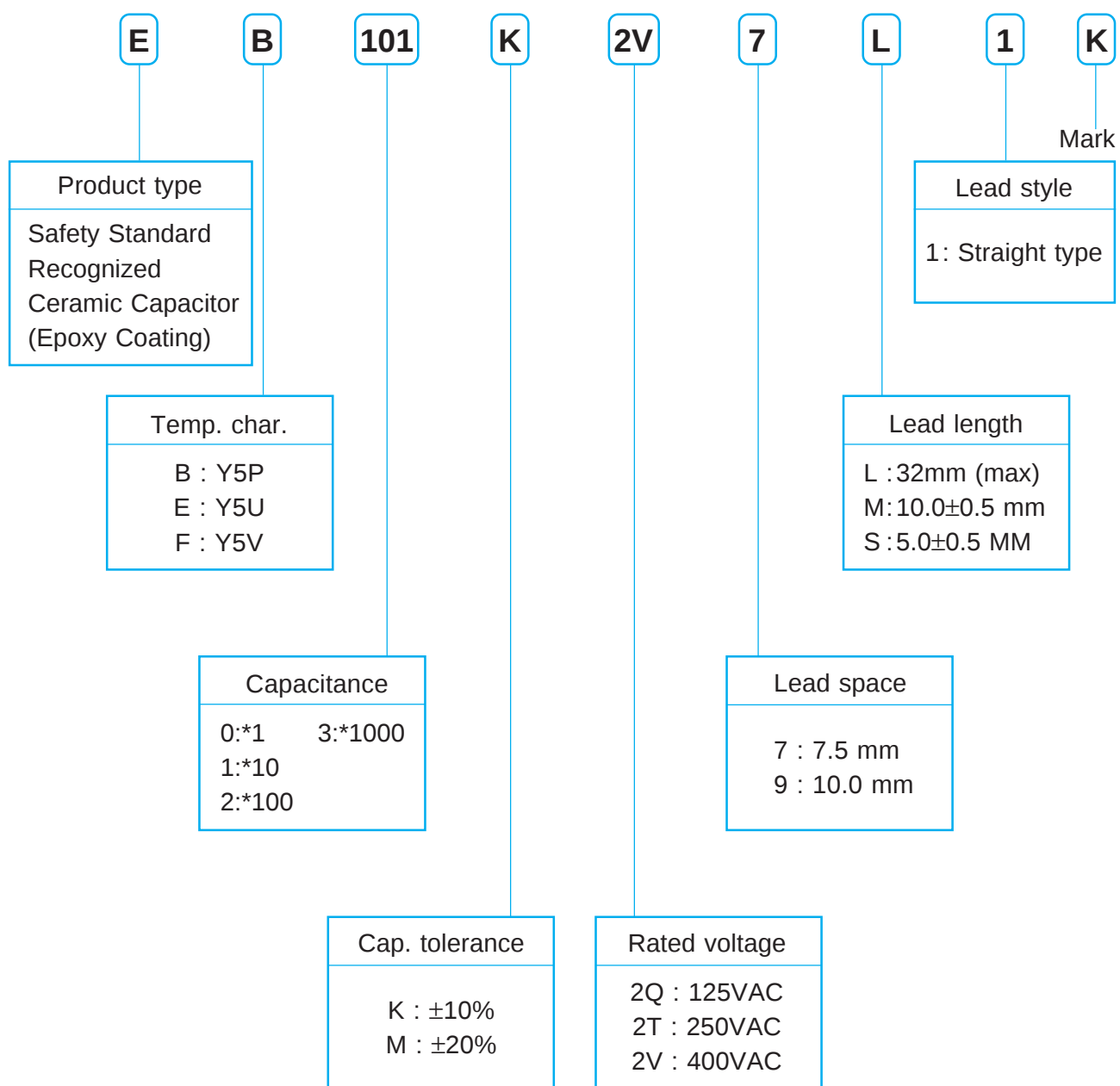
## Marking principle

- (1) Company's logo
- (2) Capacitance & tolerance
- (3) 7 = Year code (1997)  
6 = month code
- (4) SY = safety type.





## Part number system



\*Please contact with us if your design has a special requirement.



## Notes