

Reference material

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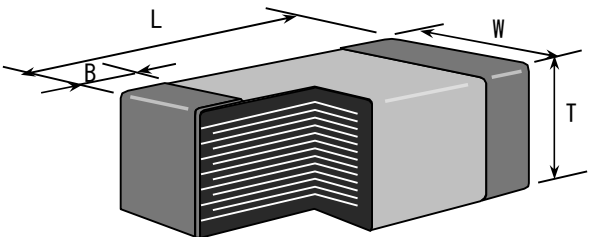
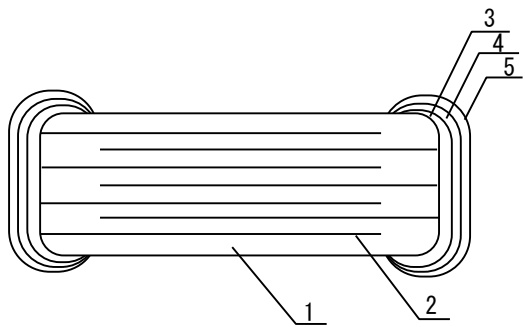
SPECIFICATION FOR TDK MULTILAYER CERAMIC CHIP CAPACITORS

Customer : KEIYO TRADING CO., LTD.

TDK P/N **C4532** **X7R** **1E** **226** **K** **T** **XXXX**
 1) 2) 3) 4) 5) 6) 7)

| No. | Segment | Detail | Comments |
|-----|-----------------------------|------------------------|--------------------------------|
| 1 | Case Size | 4.50 × 3.20 mm | See below for dimensions. |
| 2 | Temperature Characteristics | -55 to +125degC +/-15% | Class II : Conforms to EIA 198 |
| 3 | Rated Voltage | 25V | DC |
| 4 | Capacitance | 22,000,000pF | 0.5+/-0.2Vrms, 120Hz+/-20% |
| 5 | Capacitance Tolerance | K : +/-10% | Conforms to IEC 384-9 |
| 6 | Packaging Style | Tape and Reel | EIA 481 Format |
| 7 | TDK internal Code | XXXX | (Internal TDK use only) |
| - | Dissipation Factor(DF) | 0.03 max. | 0.5+/-0.2Vrms, 120Hz+/-20% |
| - | Insulation Resistance | 22Mohm min. | apply rated voltage for 60s |

Condition for life : Apply rated voltage at 125+/-2degC for 1,000+48, 0h.

| Physical Dimensions | | Material System | | |
|---|----------------|--|-------------|--------------------|
|  | |  | | |
| Symbol | Dimensions(mm) | No. | Name | Material |
| L | 4.50 +/- 0.40 | 1 | Dielectric | BaTiO ₃ |
| W | 3.20 +/- 0.40 | 2 | Electrode | Nickel (Ni) |
| T | 2.50 +/- 0.30 | 3 | Termination | Copper (Cu) |
| B | 0.20 min. | 4 | | Nickel (Ni) |
| | | 5 | | Tin (Sn) |

1 This datasheet gives a basic overview of the multilayer ceramic capacitor as defined in the above TDK part number. A full specification (including part number construction, available capacitance ranges, packaging and caution notes) is available upon request.

The information above is subject to change by TDK without any notice.

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 Electronic Components Business Company
 Ceramic Capacitors Business Group

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