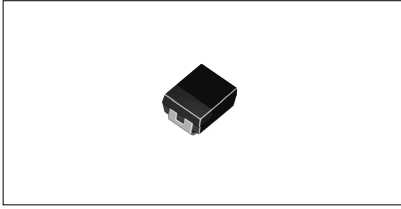


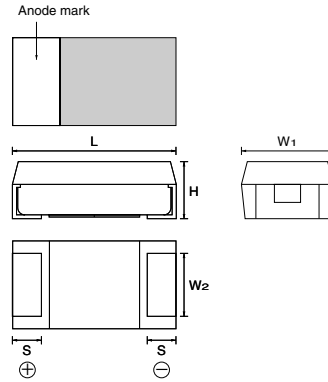
## TCFG SERIES: Chip tantalum capacitors (with built-in open function)

### ■ B case (3528size)



Tantalum capacitor with open-function built-in in 3528 case size. They also have capacitance values equivalent to general purpose capacitors. These low impedance capacitors are ideal for digital and low voltage circuits used in portable electronic equipment.

### ■ External Dimensions B case (3528 size)



(Unit : mm)

| Dimensions     | Size    |
|----------------|---------|
| L              | 3.5±0.2 |
| W <sub>1</sub> | 2.8±0.2 |
| W <sub>2</sub> | 1.9±0.2 |
| H              | 1.9±0.2 |
| S              | 0.8±0.3 |

|                         | Capacitance tolerance | Operating temperature range  | Tangent of loss angle   | Leakage current   | Impedance             |
|-------------------------|-----------------------|--|---|---|-----------------------|
| TCFG series (3528 size) | ±20% (M)              | -55°C to +125°C<br>Rated voltage at -55°C to +85°C<br>Derated voltage at +85°C to +125°C | Max.18% at 120Hz (25°C)<br>Spec.values are specified for each parts number. | 0.5μA<br>or 0.01 CV<br>whichever is greater<br>(25°C, 1min) | Max. 15.0Ω(at 100kHz) |
|                         | ±10% (K)              |  |   |   |                       |

### ● Capacitance range

| Capacitance code | Capacitance (μF) | Rated voltage (V.DC) |           |          |          |          |          |  |
|------------------|------------------|----------------------|-----------|----------|----------|----------|----------|--|
|                  |                  | 4<br>0G              | 6.3<br>0J | 10<br>1A | 16<br>1C | 20<br>1D | 25<br>1E |  |
| 3.3              | 3.3 (335)        |                      |           |          | B        | B        | B        |  |
| 4.7              | 4.7 (475)        |                      |           | B        | B        |          |          |  |
| 6.8              | 6.8 (685)        |                      |           | B        | B        |          |          |  |
| 10               | 10 (106)         |                      | B         | B        | B        |          |          |  |
| 15               | 15 (156)         | B                    | B         | B        | B        |          |          |  |
| 22               | 22 (226)         | B                    | B         | B        | B        |          |          |  |
| 33               | 33 (336)         | B                    | B         | B        |          |          |          |  |
| 47               | 47 (476)         | B                    | B         | B        |          |          |          |  |
| 68               | 68 (686)         | B                    | B         |          |          |          |          |  |
| 100              | 100 (107)        | B                    | B         |          |          |          |          |  |
| 150              | 150 (157)        | B                    |           |          |          |          |          |  |

### ● Marking

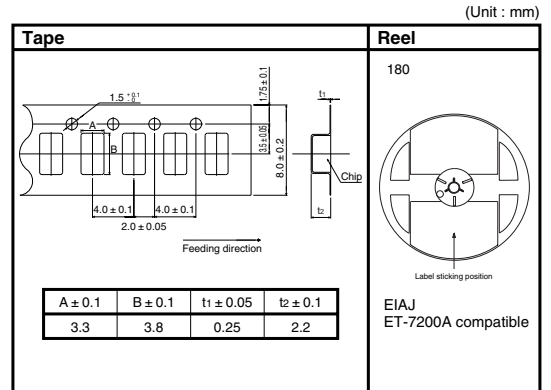


Note: 1. 10 16V  
(2) (1)

(1) Rated voltage  
(2) Capacitance code

2. Rated voltage and capacitance code are variable with parts number.

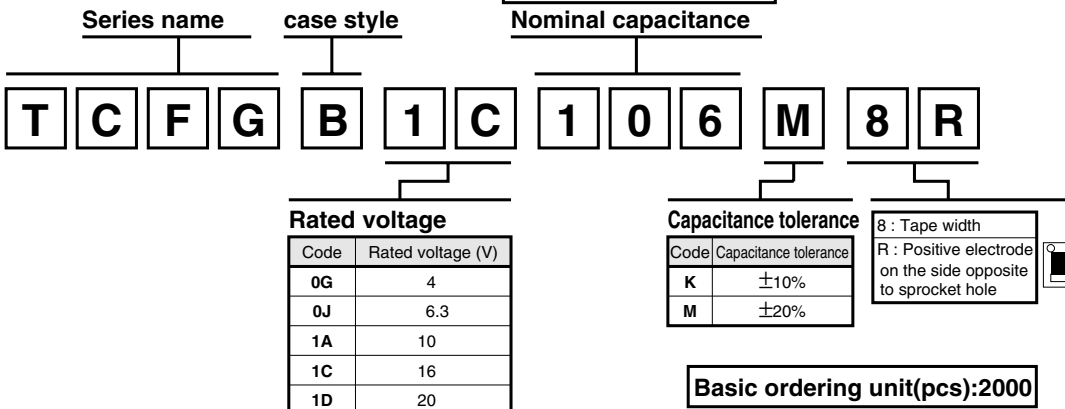
### ■ Packaging Specifications



### ■ Production Designation

ex:16V,10μF,±20%

Nominal capacitance in pF in 3 digits: 2 significant figures followed by the figure representing the number of 0's.



\*Precaution for use : Based on JEITA Technical Report "EIAJ RCR-2368A"