

TACE Series



- Maximum operating temperature 105°C.
- Allowable temperature rise 15K max.
- Tab : 4 terminals

◆SPECIFICATIONS

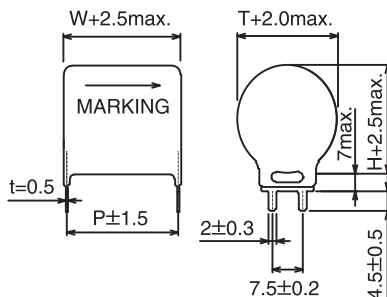
| Items                                       | Characteristics   |   |     |     |      |
|---|---|---|-----|-----|------|
| Category temperature range                  | -40 to +105°C   |   |     |     |      |
| Rated voltage range                         | 250V <sub>dc</sub> , 400V <sub>dc</sub> , 630V <sub>dc</sub> , 1000V <sub>dc</sub>                          |   |     |     |      |
| Capacitance tolerance                       | ±5% (J)   |   |     |     |      |
| Voltage proof (Terminal - Terminal)         | No degradation, at 150% of rated voltage shall be applied for 60 seconds.                                   |   |     |     |      |
| Dissipation factor (tanδ)                   | Not more than 0.05% : Equal or less than 1μF.<br>Not more than (c×0.015+0.05)% : More than 1μF.             |   |     |     |      |
| Insulation resistance (Terminal - Terminal) | No less than 30000MΩ : Equal or less than 0.33μF.   |   |     |     |      |
|   | Rated voltage (V <sub>dc</sub> )  | 250   | 400 | 630 | 1000 |
|   | Measurement voltage (V <sub>dc</sub> )  | 100   | 100 | 500 | 500  |
| Endurance                                   | The following specifications shall be satisfied, after 1000hrs with applying rated voltage×125% at 105°C.   |   |     |     |      |
|   | Appearance  | No serious degradation                            |     |     |      |
|   | Insulation resistance (Terminal - Terminal)   | No less than 10000MΩ : Equal or less than 0.33μF. |     |     |      |
|   |   | No less than 3000ΩF : More than 0.33μF.           |     |     |      |
|   | Dissipation factor (tanδ)   | No more than initial specification at 1kHz.       |     |     |      |
| Capacitance change                          | Within ±5% of initial value.  |   |     |     |      |
| Loading under damp heat                     | The following specifications shall be satisfied, after 500hrs with applying rated voltage at 40°C 90~95%RH. |   |     |     |      |
|   | Appearance  | No serious degradation.                           |     |     |      |
|   | Insulation resistance (Terminal - Terminal)   | No less than 10000MΩ : Equal or less than 0.33μF. |     |     |      |
|   |   | No less than 3000ΩF : More than 0.33μF.           |     |     |      |
|   | Dissipation factor (tanδ)   | No more than initial specification at 1kHz.       |     |     |      |
| Capacitance change                          | Within ±5% of initial value.  |   |     |     |      |

◆STANDARD RATINGS

| WV (V <sub>dc</sub> ) | Cap (μF) | Dimensions (mm) |      |      |      | Maximum ripple current (Arms) | WV (V <sub>ac</sub> ) | Part Number        |
|-----------------------|----------|-----------------|------|------|------|-------------------------------|-----------------------|--------------------|
|                       |          | W               | H    | T    | P    |                               |                       |                    |
| 250                   | 15       | 24.5            | 30.0 | 28.6 | 22.5 | 14.3                          | 100                   | FTACE251N156JEAES0 |
|                       | 18       |                 | 32.8 | 31.2 |      | 15.6                          |                       | FTACE251N186JEAES0 |
|                       | 22       | 31.9            | 30.4 | 27.5 | 14.2 | FTACE251N226JFAFS0            |                       |                    |
| 400                   | 6.8      | 24.5            | 29.0 | 27.6 | 22.5 | 11.9                          | 150                   | FTACE401N685JEAES0 |
|                       | 8.2      |                 | 31.6 | 30.1 |      | 13.1                          |                       | FTACE401N825JEAES0 |
|                       | 10       | 29.5            | 30.9 | 29.4 | 27.5 | 11.8                          |                       | FTACE401N106JFAFS0 |
|                       | 12       |                 | 33.6 | 32.0 |      | 13.0                          |                       | FTACE401N126JFAFS0 |
| 630                   | 0.47     | 17.5            | 16.5 | 15.7 | 15.0 | 5.9                           | 175                   | FTACE631N474JDADS0 |
|                       | 0.68     |                 | 19.3 | 18.4 |      | 7.1                           |                       | FTACE631N684JDADS0 |
|                       | 1.0      |                 | 23.0 | 22.0 |      | 8.6                           |                       | FTACE631N105JDADS0 |
|                       | 1.5      | 24.5            | 25.5 | 24.3 | 22.5 | 9.2                           |                       | FTACE631N155JHAHS0 |
|                       | 2.2      |                 | 25.7 | 24.5 |      | 8.6                           |                       | FTACE631N225JEAES0 |
|                       | 3.3      |                 | 31.0 | 29.5 |      | 10.6                          |                       | FTACE631N335JEAES0 |
| 4.7                   | 29.5     | 32.4            | 30.8 | 27.5 | 10.4 | FTACE631N475JFAFS0            |                       |                    |
| 1000                  | 0.47     | 19.5            | 24.0 | 22.9 | 17.5 | 6.9                           | 250                   | FTACE102N474JHAHS0 |
|                       | 0.68     |                 | 28.5 | 27.1 |      | 7.3                           |                       | FTACE102N684JHAHS0 |
|                       | 1.0      | 24.5            | 28.3 | 27.0 | 22.5 | 7.1                           |                       | FTACE102N105JEAES0 |
|                       | 1.5      |                 | 30.1 | 28.7 |      | 27.5                          |                       | 7.3                |

- (1)The maximum ripple current : +85°C max., 100kHz, sine wave  
 (2)WV(V<sub>ac</sub>) : 50Hz or 60Hz, sine wave

◆DIMENSIONS



The recommended conditions for mounting.

