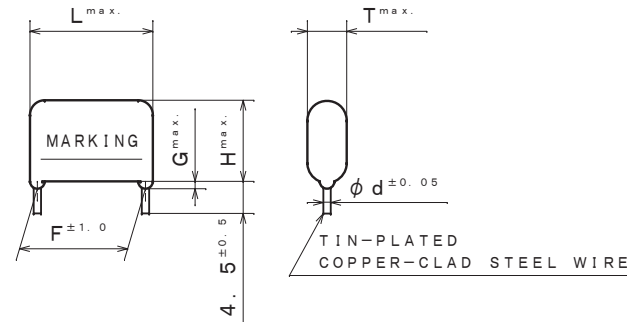
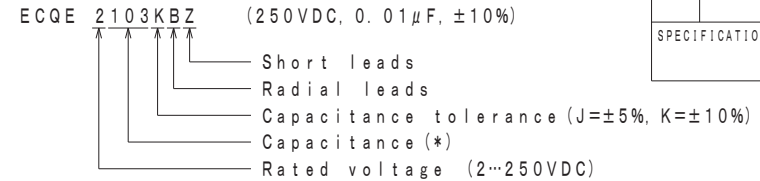


| ITEM CODE       | RATED VOLTAGE | CAP. $\mu F$ ( * ) | DIMENSIONS |      |      |      |     |     |   | MARKING STYLE |
|-----------------|---------------|--------------------|------------|------|------|------|-----|-----|---|---------------|
|                 |               |                    | L          | T    | H    | F    | G   | d   |   |               |
| ECQE2103 ( ) BZ | 250VDC        | 0.01 (103)         | 7.9        | 4.2  | 7.1  | 5.0  | 1.0 | 0.5 | 1 |               |
| " 2123 ( ) BZ   | "             | 0.012 (123)        | "          | "    | "    | "    | "   | "   | " |               |
| " 2153 ( ) BZ   | "             | 0.015 (153)        | "          | "    | "    | "    | "   | "   | " |               |
| " 2183 ( ) BZ   | "             | 0.018 (183)        | "          | 4.3  | 7.2  | "    | "   | "   | " |               |
| " 2223 ( ) BZ   | "             | 0.022 (223)        | "          | "    | "    | "    | "   | "   | " |               |
| " 2273 ( ) BZ   | "             | 0.027 (273)        | "          | "    | "    | "    | "   | "   | " |               |
| " 2333 ( ) BZ   | "             | 0.033 (333)        | "          | "    | "    | "    | "   | "   | " |               |
| " 2393 ( ) BZ   | "             | 0.039 (393)        | "          | 4.5  | 7.4  | "    | "   | "   | " |               |
| " 2473 ( ) BZ   | "             | 0.047 (473)        | "          | "    | "    | "    | "   | "   | " |               |
| " 2563 ( ) BZ   | "             | 0.056 (563)        | "          | 4.7  | 7.7  | "    | "   | "   | " |               |
| " 2683 ( ) BZ   | "             | 0.068 (683)        | "          | 5.1  | 8.0  | "    | "   | "   | " |               |
| " 2823 ( ) BZ   | "             | 0.082 (823)        | "          | 5.4  | 8.6  | "    | "   | "   | " |               |
| " 2104 ( ) BZ   | "             | 0.1 (104)          | "          | 5.9  | 9.0  | "    | "   | "   | " |               |
| " 2124 ( ) BZ   | "             | 0.12 (124)         | "          | 5.7  | 10.6 | "    | "   | "   | " |               |
| " 2154 ( ) BZ   | "             | 0.15 (154)         | "          | 6.3  | 11.2 | "    | "   | "   | " |               |
| " 2184 ( ) BZ   | "             | 0.18 (184)         | 10.3       | 5.0  | 9.7  | 7.5  | "   | "   | " |               |
| " 2224 ( ) BZ   | "             | 0.22 (224)         | "          | 5.4  | 10.1 | "    | "   | "   | " |               |
| " 2274 ( ) BZ   | "             | 0.27 (274)         | "          | 5.9  | 10.8 | "    | "   | "   | " |               |
| " 2334 ( ) BZ   | "             | 0.33 (334)         | "          | 6.4  | 11.3 | "    | "   | "   | " |               |
| " 2394 ( ) BZ   | "             | 0.39 (394)         | 12.3       | 5.7  | 10.9 | 10.0 | "   | 0.6 | " |               |
| " 2474 ( ) BZ   | "             | 0.47 (474)         | "          | 6.2  | 11.4 | "    | "   | "   | " |               |
| " 2564 ( ) BZ   | "             | 0.56 (564)         | "          | 6.7  | 11.9 | "    | "   | "   | " |               |
| " 2684 ( ) BZ   | "             | 0.68 (684)         | "          | 7.3  | 12.7 | "    | "   | "   | " |               |
| " 2824 ( ) BZ   | "             | 0.82 (824)         | 15.3       | 6.3  | 13.3 | 12.5 | "   | "   | 2 |               |
| " 2105 ( ) BZ   | "             | 1.0 (105)          | "          | 7.0  | 14.0 | "    | "   | "   | " |               |
| " 2125 ( ) BZ   | "             | 1.2 (125)          | "          | 7.6  | 14.6 | "    | "   | "   | " |               |
| " 2155 ( ) BZ   | "             | 1.5 (155)          | "          | 8.6  | 15.7 | "    | "   | "   | " |               |
| " 2185 ( ) BZ   | "             | 1.8 (185)          | 20.8       | 7.6  | 14.6 | 17.5 | "   | 0.8 | " |               |
| " 2225 ( ) BZ   | "             | 2.2 (225)          | "          | 8.4  | 15.6 | "    | "   | "   | " |               |
| " 2275 ( ) BZ   | "             | 2.7 (275)          | "          | 9.3  | 16.7 | "    | "   | "   | " |               |
| " 2335 ( ) BZ   | "             | 3.3 (335)          | "          | 10.5 | 17.9 | "    | "   | "   | " |               |
| " 2395 ( ) BZ   | "             | 3.9 (395)          | "          | 10.8 | 19.8 | "    | "   | "   | " |               |
| " 2475 ( ) BZ   | "             | 4.7 (475)          | "          | 11.9 | 21.0 | "    | "   | "   | " |               |

TOL. SYMBOL (J or K)

ITEM CODE NUMBER STRUCTURE



CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polyester film dielectric.  
The capacitor is enclosed in non-combustible epoxy resin and has two leads.

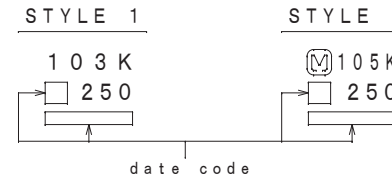
MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage, manufacturer's trademark (STYLE 2 only) and date code.

PROPERTIES

Capacitance : See table at 1kHz.  
 Capacitance tolerance :  $\pm 5\%$  (J),  $\pm 10\%$  (K) at 1kHz.  
 Rated voltage : 250VDC (Derating of rated voltage by 1.25%/ $^{\circ}C$  at more than 85 $^{\circ}C$ )  
 Withstand voltage (terminal-terminal) : 250VDC $\times 150\%$  for 60s  
 Insulation resistance :  $\geq 9000M\Omega$  ( $C \leq 0.33\mu F$ ) at 100VDC, 20 $^{\circ}C$  for 60s  
 :  $\geq 3000M\Omega \cdot \mu F$  ( $C > 0.33\mu F$ ) at 100VDC, 20 $^{\circ}C$  for 60s  
 Dissipation factor :  $\leq 1.0\%$  at 1kHz, 20 $^{\circ}C$   
 Operating temperature range : From -40 $^{\circ}C$  to +105 $^{\circ}C$   
 (including temperature rise on unit surface)

MARKING EXAMPLE



| ALTERATION         |                      |             |
|--------------------|----------------------|-------------|
| ISSUE              | DESCRIPTION          | DATE        |
| $\Delta$           | Company name changed | Apr. 1 2012 |
| $\Delta$           | Company name changed | Apr. 1 2013 |
| $\Delta$           | Company name changed | Apr. 1 2015 |
| $\Delta$           | Company name changed | Apr. 1 2022 |
| SPECIFICATIONS No. |                      |             |

|  |              |
|--|--------------|
| DESIGN                                   | M. MEKADA    |
| CHECKED                                  | OSUDA        |
| APPROVAL                                 | T. KATO      |
| ESTABLISHMENT                            | Oct. 4, 2010 |
| TYPE NAME                                |              |
| ECQE2*** ( ) BZ                          |              |
| NAME Metallized Polyester Film Capacitor |              |
| DRAWING NAME                             |              |
| PRODUCT DRAWING                          |              |
| DRAWING No.                              |              |
| 0030M-J-E (1/1)                          |              |

Film Capacitor Business Unit  
 Device Solutions Business Division  
 Panasonic Industry Co., Ltd.