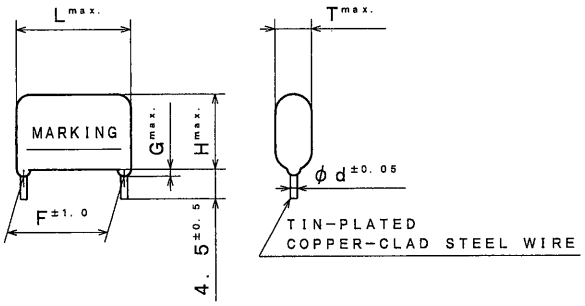
THIRD ANGLE PROJECTION

ITEM CODE	RATED VOLTAGE	CAP. μF (*)	DIMENSIONS L	T	H	F	G	d	MARKING STYLE
ECQE2103 () TZ	250VDC	0.01 (103)	10.8	4.3	7.4	7.5	1.0	0.6	1
〃 2123 () TZ	〃	0.012 (123)	〃	4.4	7.5	〃	〃	〃	〃
〃 2153 () TZ	〃	0.015 (153)	〃	〃	〃	〃	〃	〃	〃
〃 2183 () TZ	〃	0.018 (183)	〃	〃	〃	〃	〃	〃	〃
〃 2223 () TZ	〃	0.022 (223)	〃	〃	〃	〃	〃	〃	〃
〃 2273 () TZ	〃	0.027 (273)	〃	〃	〃	〃	〃	〃	〃
〃 2333 () TZ	〃	0.033 (333)	〃	4.5	〃	〃	〃	〃	〃
〃 2393 () TZ	〃	0.039 (393)	〃	〃	〃	〃	〃	〃	〃
〃 2473 () TZ	〃	0.047 (473)	〃	〃	〃	〃	〃	〃	〃
〃 2563 () TZ	〃	0.056 (563)	〃	4.8	7.9	〃	〃	〃	〃
〃 2683 () TZ	〃	0.068 (683)	〃	4.5	7.5	〃	〃	〃	〃
〃 2823 () TZ	〃	0.082 (823)	〃	4.9	8.0	〃	〃	〃	〃
〃 2104 () TZ	〃	0.1 (104)	〃	5.8	8.4	〃	〃	〃	〃
〃 2124 () TZ	〃	0.12 (124)	〃	6.0	9.0	〃	〃	〃	〃
〃 2154 () TZ	〃	0.15 (154)	〃	〃	10.8	〃	〃	〃	〃
〃 2184 () TZ	〃	0.18 (184)	12.5	5.0	10.3	10.0	〃	〃	〃
〃 2224 () TZ	〃	0.22 (224)	〃	5.5	10.5	〃	〃	〃	〃
〃 2274 () TZ	〃	0.27 (274)	〃	6.0	11.5	〃	〃	〃	〃
〃 2334 () TZ	〃	0.33 (334)	〃	6.5	12.0	〃	〃	〃	〃
〃 2394 () TZ	〃	0.39 (394)	19.0	4.9	〃	15.0	〃	〃	2
〃 2474 () TZ	〃	0.47 (474)	〃	5.3	12.5	〃	〃	〃	〃
〃 2564 () TZ	〃	0.56 (564)	〃	5.5	13.0	〃	〃	〃	〃
〃 2684 () TZ	〃	0.68 (684)	〃	6.0	13.5	〃	〃	0.8	〃
〃 2824 () TZ	〃	0.82 (824)	〃	6.5	14.5	〃	〃	〃	〃
〃 2105 () TZ	〃	1.0 (105)	〃	7.4	15.0	〃	〃	〃	〃
〃 2125 () TZ	〃	1.2 (125)	〃	8.0	15.9	〃	〃	〃	〃
〃 2155 () TZ	〃	1.5 (155)	〃	9.0	16.8	〃	〃	〃	〃
〃 2185 () TZ	〃	1.8 (185)	26.5	7.5	15.5	22.5	〃	〃	〃
〃 2225 () TZ	〃	2.2 (225)	〃	8.5	16.3	〃	〃	〃	〃
〃 2275 () TZ	〃	2.7 (275)	〃	9.4	17.0	〃	〃	〃	〃
〃 2335 () TZ	〃	3.3 (335)	〃	10.3	18.0	〃	1.5	〃	〃
〃 2395 () TZ	〃	3.9 (395)	〃	11.0	20.5	〃	〃	〃	〃
〃 2475 () TZ	〃	4.7 (475)	〃	12.0	21.5	〃	〃	〃	〃
〃 2565 () TZ	〃	5.6 (565)	31.5	11.8	21.0	27.5	〃	〃	〃
〃 2685 () TZ	〃	6.8 (685)	〃	13.0	22.4	〃	〃	〃	〃
〃 2825 () TZ	〃	8.2 (825)	〃	14.3	23.5	〃	〃	〃	〃
〃 2106 () TZ	〃	10.0 (106)	〃	15.9	25.8	〃	〃	〃	〃

TOL. SYMBOL (J or K)



ALTERATION		
ISSUE	DESCRIPTION	DATE
1	Company name changed	Apr. 1 2012
2	Company name changed	Apr. 1 2013
3	Company name changed	Apr. 1 2015
SPECIFICATIONS No.		

ITEM CODE NUMBER STRUCTURE

ECQE 2 103 K T Z (250VDC, 0.01μF, ±10%)

- Short leads
- Radial leads
- Capacitance tolerance (J=±5%, K=±10%)
- Capacitance (*)
- Rated voltage (2:250VDC)

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.

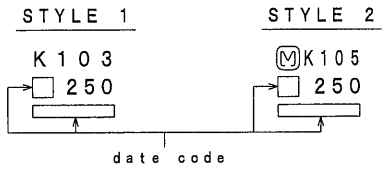
MARKING

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

PROPERTIES

Capacitance	:See table at 1kHz
Capacitance tolerance	:±5% (J), ±10% (K) at 1kHz
Rated voltage	:250VDC (Derating of rated voltage by 1.25%/℃ at more than 85℃)
Withstand voltage	:250VDC×150% for 60s
Insulation resistance	:≧9000MΩ (C≦0.33μF) at 100VDC, 20℃ for 60s :≧3000MΩ·μF (C>0.33μF) at 100VDC, 20℃ for 60s
Dissipation factor	:≦1.0% at 1kHz, 20℃
Category temperature range (including temperature rise on unit surface)	:From −40℃ to +105℃

MARKING EXAMPLE



DO NOT SCALE DRAWING REVISIONS INDICATED BY Δ ALL DIMENSIONS ARE IN MILLIMETERS

Reference

DESIGN	M. Imehata
CHECKED	K. Osaki
APPROVAL	Y. Takata
ESTABLISHMENT	Oct. 4. 2010
TYPE NAME	ECQE2*** () TZ
NAME	Metallized Polyester Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	0031M-J-E (1/1)

Toyama·Matsue Plant
Device Solutions Business Division
Panasonic Corporation