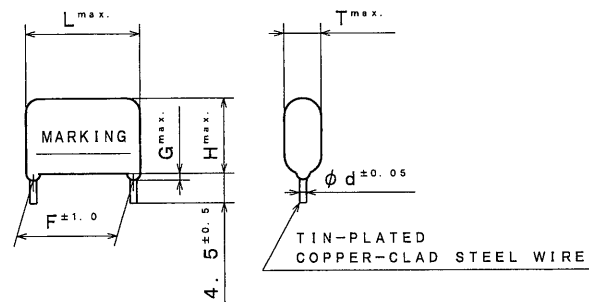


THIRD ANGLE PROJECTION

ITEM CODE	RATED VOLTAGE	CAP. μ F (*)	DIMENSIONS						MARKING STYLE
			L	T	H	F	G	d	
ECQE2A103 () TZ	250VAC	0.01 (103)	13.0	5.5	10.8	10.0	1.0	0.6	1
" 2A123 () TZ	"	0.012 (123)	"	6.0	11.5	"	"	"	"
" 2A153 () TZ	"	0.015 (153)	"	6.3	9.9	"	"	"	"
" 2A183 () TZ	"	0.018 (183)	"	6.0	11.9	"	"	"	"
" 2A223 () TZ	"	0.022 (223)	"	"	11.5	"	"	"	"
" 2A273 () TZ	"	0.027 (273)	"	5.5	10.9	"	"	"	"
" 2A333 () TZ	"	0.033 (333)	"	6.0	11.9	"	"	"	"
" 2A393 () TZ	"	0.039 (393)	"	"	13.4	"	"	"	"
" 2A473 () TZ	"	0.047 (473)	"	6.5	14.4	"	"	"	"
" 2A563 () TZ	"	0.056 (563)	19.0	5.4	10.5	15.0	"	"	2
" 2A683 () TZ	"	0.068 (683)	"	5.8	11.0	"	"	"	"
" 2A823 () TZ	"	0.082 (823)	"	6.3	12.0	"	"	"	"
" 2A104 () TZ	"	0.1 (104)	"	"	14.0	"	"	"	"
" 2A124 () TZ	"	0.12 (124)	"	6.8	14.5	"	"	0.8	"
" 2A154 () TZ	"	0.15 (154)	"	7.5	15.4	"	"	"	"
" 2A184 () TZ	"	0.18 (184)	"	8.0	16.0	"	"	"	"
" 2A224 () TZ	"	0.22 (224)	"	9.0	16.9	"	"	"	"
" 2A274 () TZ	"	0.27 (274)	26.5	7.0	16.5	22.5	"	"	"
" 2A334 () TZ	"	0.33 (334)	"	7.8	17.0	"	"	"	"
" 2A394 () TZ	"	0.39 (394)	"	8.5	17.9	"	"	"	"
" 2A474 () TZ	"	0.47 (474)	"	9.3	18.5	"	"	"	"

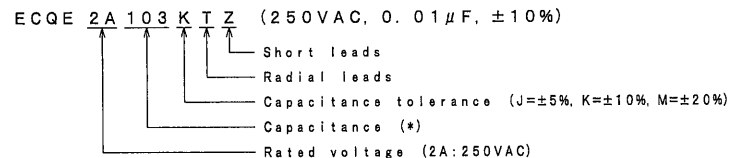
TOL. SYMBOL (J or K or M)



ALTERATION		
ISSUE	DESCRIPTION	DATE
△	Company name changed	Oct. 1 2004
△	Company name changed	Apr. 1 2005
△	Company name changed	Apr. 1 2006
△	Company name changed	Apr. 1 2008
△	Change: category temperature range (-40°C~+85°C--40°C~+105°C)	Dec. 21 2010
△	Company name changed	Apr. 1 2012
△	Company name changed	Apr. 1 2013
△	Company name changed	Apr. 1 2015

SPECIFICATIONS No.

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.

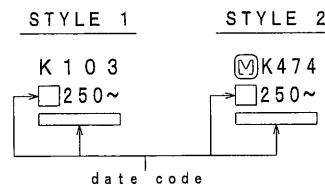
MARKING

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), \pm 20% (M) at 1kHz
 Rated voltage : 250VAC
 Withstand voltage (terminal-terminal) : 250VAC \times 230% for 60s
 (terminal-enclosure) : 1500VAC for 60s
 Insulation resistance : \geq 2000M Ω at 500VDC, 20°C for 60s
 Dissipation factor : \leq 1.0% at 1kHz, 20°C
 Category temperature range : △ From -40°C to +105°C (including temperature rise on unit surface)

MARKING EXAMPLE



Reference	
DESIGN	<i>Y. Takata</i>
CHECKED	<i>Z. Ozaki</i>
APPROVAL	<i>Y. Takata</i>
ESTABLISHMENT	Oct. 2, 2003
TYPE NAME	ECQE2A*** () TZ
NAME	Metallized Polyester Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	3103M-J-E (1/1)

Toyama-Matsue Plant
Device Solutions Business Division
Panasonic Corporation