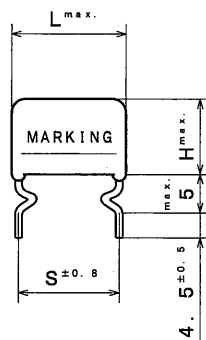


THIRD ANGLE PROJECTION

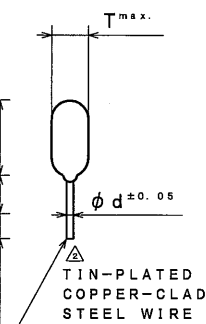
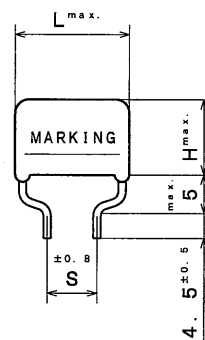
ITEM CODE	RATED VOLTAGE	CAP. μF (*)	DIMENSIONS					MARKING STYLE	FORMING TYPE	E
			L	T	H	S	d			
ECQE4103 () FB	400VDC	0.01 (103)	10.3	4.3	7.4	7.5	0.6	1	D	
" 4123 () FB	"	0.012 (123)	"	4.4	7.5	"	"	"	"	
" 4153 () FB	"	0.015 (153)	"	"	"	"	"	"	"	
" 4183 () FB	"	0.018 (183)	"	"	"	"	"	"	"	
" 4223 () FB	"	0.022 (223)	"	4.8	7.9	"	"	"	"	
" 4273 () FB	"	0.027 (273)	"	5.5	8.0	"	"	"	"	
" 4333 () FB	"	0.033 (333)	"	6.0	9.0	"	"	"	"	
" 4393 () FB	"	0.039 (393)	12.0	4.9	8.0	10.0	"	"	"	
" 4473 () FB	"	0.047 (473)	"	5.0	8.3	"	"	"	"	
" 4563 () FB	"	0.056 (563)	"	"	10.0	"	"	"	"	
" 4683 () FB	"	0.068 (683)	"	5.4	10.5	"	"	"	"	
" 4823 () FB	"	0.082 (823)	"	5.8	11.0	"	"	"	"	
" 4104 () FB	"	0.1 (104)	"	6.3	12.0	"	"	"	"	
" 4124 () FB	"	0.12 (124)	18.5	5.0	10.0	"	"	2	B	
" 4154 () FB	"	0.15 (154)	"	"	12.4	"	"	"	"	
" 4184 () FB	"	0.18 (184)	"	5.4	12.5	"	"	"	"	
" 4224 () FB	"	0.22 (224)	"	5.9	13.0	"	"	"	"	
" 4274 () FB	"	0.27 (274)	"	6.5	14.3	"	0.8	"	"	
" 4334 () FB	"	0.33 (334)	"	7.0	14.9	"	"	"	"	
" 4394 () FB	"	0.39 (394)	"	7.5	15.4	"	"	"	"	
" 4474 () FB	"	0.47 (474)	"	7.8	17.0	"	"	"	"	
" 4564 () FB	"	0.56 (564)	26.0	6.5	16.0	15.0	"	"	"	
" 4684 () FB	"	0.68 (684)	"	7.0	16.5	"	"	"	"	
" 4824 () FB	"	0.82 (824)	"	7.9	17.3	"	"	"	"	
" 4105 () FB	"	1.0 (105)	"	8.5	18.0	"	"	"	"	
" 4125 () FB	"	1.2 (125)	"	9.5	18.9	"	"	"	"	
" 4155 () FB	"	1.5 (155)	31.0	"	19.0	22.5	"	"	"	
" 4185 () FB	"	1.8 (185)	"	11.0	20.5	"	"	"	"	
" 4225 () FB	"	2.2 (225)	"	"	22.0	"	"	"	"	

TOL. SYMBOL (J or K)

TYPE D



TYPE B



ITEM CODE NUMBER STRUCTURE

ECQE 4 103 K F B (400VDC, 0.01μF, ±10%)

- Leads forming
- Radial leads
- Capacitance tolerance (J=±5%, K=±10%)
- Capacitance (*)
- Rated voltage (4:400VDC)

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	: 400VDC	(Derating of rated voltage by 1.25%/°C at more than 85°C)
Withstand voltage	: 400VDC×150%	for 60s
Insulation resistance	: ≥9000MΩ	(C≤0.33μF) at 100VDC, 20°C for 60s
	: ≥3000MΩ·μF	(C>0.33μF) at 100VDC, 20°C for 60s
Dissipation factor	: ≤1.0%	at 1kHz, 20°C
Category temperature range	: △	From -40°C to +105°C (including temperature rise on unit surface)

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

ALTERATION

ISSUE	DESCRIPTION	DATE
△	Modification	Jun. 20 2002
△	Company name changed	Oct. 1 2004
△	Company name changed	Apr. 1 2005
△	Company name changed	Apr. 1 2006
△	Correction: category temperature range (-40°C~+85°C→-40°C~+105°C) Addition: rated voltage (Derating of rated voltage by 1.25%/°C at more than 85°C)	Jan. 22 2008
△	Company name changed Error correction	Apr. 1 2008
△	Company name changed	Apr. 1 2012
△	Company name changed	Apr. 1 2013
△	Company name changed	Apr. 1 2015

SPECIFICATIONS No.

TE72031Y

Reference

MARKING EXAMPLE

STYLE 1

103K
400

STYLE 2

M 105K
400

date code

DESIGN	△
CHECKED	K. Osaki
APPROVAL	Y. Takata
ESTABLISHMENT	Apr. 27, 1987
TYPE NAME	ECQE4*** () FB
NAME	Metallized Polyester Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CT-H-C015 (1/1)

Toyama-Matsue Plant
Device Solutions Business Division
Panasonic Corporation