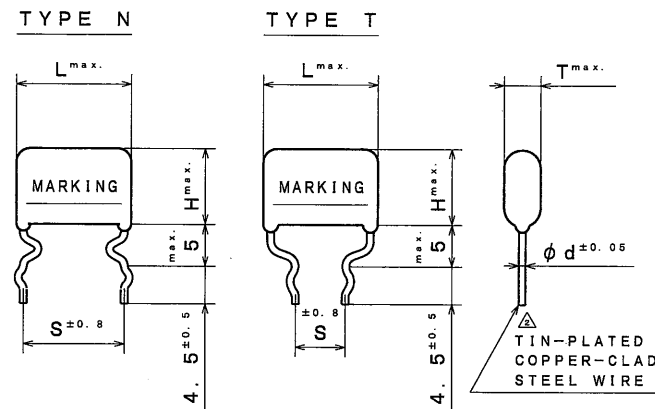


THIRD ANGLE PROJECTION

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

TOL. SYMBOL (J or K)



ITEM CODE NUMBER STRUCTURE

ECQE 4 103 K FW (400VDC, 0.01 μF, ±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.

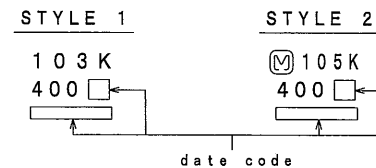
MARKING

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 Δ (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 : Δ From -40°C to +105°C (including temperature rise on unit surface)

MARKING EXAMPLE



ALTERATION

ISSUE	DESCRIPTION	DATE
2	Modification	Jun. 20 2002
3	Company name changed	Oct. 1 2004
4	Company name changed	Apr. 1 2005
5	Company name changed	Apr. 1 2006
6	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
7	Company name changed Error correction	Apr. 1 2008
8	Company name changed	Apr. 1 2012
9	Company name changed	Apr. 1 2013
10	Company name changed	Apr. 1 2015

SPECIFICATIONS No.

TE72031Y

Reference

DESIGN	Ch. Chakraborty
CHECKED	K. Oishi
APPROVAL	J. Takata
ESTABLISHMENT	Jan. 25, 1994
TYPE NAME	ECQE4*** () FW
NAME Metallized Polyester Film Capacitor	
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CT-H-401E (1/1)

Toyama Matsue Plant
Device Solutions Business Division
Panasonic Corporation

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS