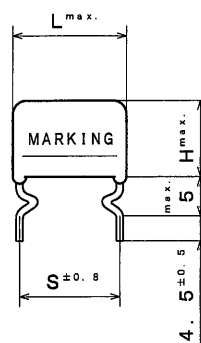


THIRD ANGLE PROJECTION

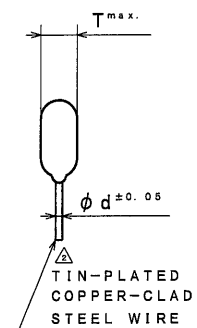
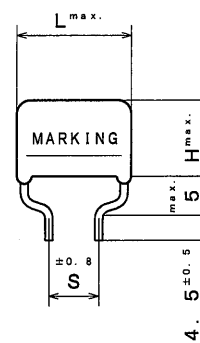
ITEM CODE	CAP. μF (*)	DIMENSIONS					FORMING TYPE
		L	T	H	S	d	
ECQE12102 () FB	0.001 (102)	15.5	6.0	11.0	10.0	0.6	D
" 12122 () FB	0.0012 (122)	"	"	"	"	"	"
" 12152 () FB	0.0015 (152)	"	"	"	"	"	"
" 12182 () FB	0.0018 (182)	"	"	"	"	"	"
" 12222 () FB	0.0022 (222)	"	"	11.5	"	"	"
" 12272 () FB	0.0027 (272)	"	6.5	12.0	"	"	"
" 12332 () FB	0.0033 (332)	"	6.0	11.5	"	"	"
" 12392 () FB	0.0039 (392)	"	6.5	12.0	"	"	"
" 12472 () FB	0.0047 (472)	"	7.0	12.5	"	"	"
" 12562 () FB	0.0056 (562)	"	7.5	13.0	"	"	"
" 12682 () FB	0.0068 (682)	"	"	15.0	"	"	"
" 12822 () FB	0.0082 (822)	21.0	5.0	12.0	12.5	"	B
" 12103 () FB	0.01 (103)	"	"	12.5	"	"	"
" 12123 () FB	0.012 (123)	"	5.5	13.0	"	"	"
" 12153 () FB	0.015 (153)	"	6.0	13.5	"	"	"
" 12183 () FB	0.018 (183)	"	6.5	14.5	"	0.8	"
" 12223 () FB	0.022 (223)	"	7.0	15.0	"	"	"
" 12273 () FB	0.027 (273)	26.0	6.0	15.5	17.5	"	"
" 12333 () FB	0.033 (333)	"	6.5	16.0	"	"	"
" 12393 () FB	0.039 (393)	"	7.0	16.5	"	"	"
" 12473 () FB	0.047 (473)	"	8.0	17.0	"	"	"
" 12563 () FB	0.056 (563)	31.0	7.5	"	22.5	"	"
" 12683 () FB	0.068 (683)	"	8.0	17.5	"	"	"
" 12823 () FB	0.082 (823)	"	9.0	18.5	"	"	"
" 12104 () FB	0.1 (104)	"	10.0	19.5	"	"	"
" 12124 () FB	0.12 (124)	"	11.5	20.5	"	"	"
" 12154 () FB	0.15 (154)	"	12.0	23.0	"	"	"
" 12184 () FB	0.18 (184)	"	13.0	24.5	"	"	"
" 12224 () FB	0.22 (224)	"	14.5	26.5	"	"	"

TOL. SYMBOL (J or K or M)

TYPE D



TYPE B



ITEM CODE NUMBER STRUCTURE

ECQE 12 102 K F B (1250VDC, 0.001μF, ±10%)

Leads forming
Radial leads
Capacitance tolerance (J=±5%, K=±10%, M=±20%)
Capacitance (*)
Rated voltage (12:1250VDC)

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, type name, manufacturer's trademark and date code.

PROPERTIES

Capacitance : See table at 1kHz
Capacitance tolerance : ±5% (J), ±10% (K), ±20% (M) at 1kHz
Rated voltage : 125VAC/1250VDC (Derating of rated voltage by 1.25%/°C at more than 85°C)
Withstand voltage (terminal-terminal) : 1250VDC×175% for 2s~5s (1000VAC for 60s)
(terminal-enclosure) : 1500VAC for 60s
Insulation resistance : ≥10000MΩ at 100VDC, 20°C for 60s
: ≥2000MΩ at 500VDC, 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)



MARKING EXAMPLE

102 M
Q-E 1250V
125V~ ☐ date code

Reference

DESIGN	12102
CHECKED	K. Osaki
APPROVAL	Y. Takata
ESTABLISHMENT	Nov. 29, 1989
TYPE NAME	ECQE12*** () FB
NAME	Metallized Polyester Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CT-H-973E (1/1)

Toyama-Matsue Plant
Device Solutions Business Division
Panasonic Corporation

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS

ALTERATION		
ISSUE	DESCRIPTION	DATE
Δ2	Modification	Jun. 20 2002
Δ3	Company name changed	Oct. 1 2004
Δ4	Company name changed	Apr. 1 2005
Δ5	Company name changed	Apr. 1 2006
Δ6	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
Δ7	Company name changed Error correction	Apr. 1 2008
Δ8	Company name changed	Apr. 1 2012
Δ9	Company name changed	Apr. 1 2013
Δ10	Company name changed	Apr. 1 2015

SPECIFICATIONS No.

TEB8253H