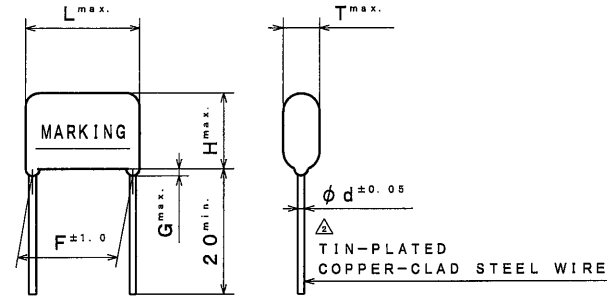


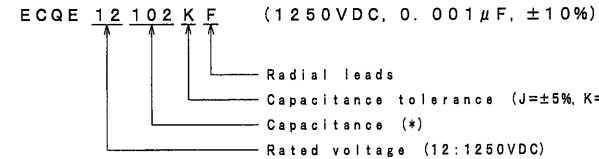
THIRD ANGLE PROJECTION

ITEM CODE	CAP.		DIMENSIONS						
	μF (*)	(μF)	L	T	H	F	G	d	
ECQE12102 () F	0.001 (102)	0.001	15.5	6.0	11.0	12.5	1.0	0.6	
" 12122 () F	0.0012 (122)	0.0012	"	"	"	"	"	"	
" 12152 () F	0.0015 (152)	0.0015	"	"	"	"	"	"	
" 12182 () F	0.0018 (182)	0.0018	"	"	"	"	"	"	
" 12222 () F	0.0022 (222)	0.0022	"	"	11.5	"	"	"	
" 12272 () F	0.0027 (272)	0.0027	"	6.5	12.0	"	"	"	
" 12332 () F	0.0033 (332)	0.0033	"	6.0	11.5	"	"	"	
" 12392 () F	0.0039 (392)	0.0039	"	6.5	12.0	"	"	"	
" 12472 () F	0.0047 (472)	0.0047	"	7.0	12.5	"	"	"	
" 12562 () F	0.0056 (562)	0.0056	"	7.5	13.0	"	"	"	
" 12682 () F	0.0068 (682)	0.0068	"	15.0	"	"	"	"	
" 12822 () F	0.0082 (822)	0.0082	21.0	5.0	12.0	17.5	"	"	
" 12103 () F	0.01 (103)	0.01	"	"	12.5	"	"	"	
" 12123 () F	0.012 (123)	0.012	"	5.5	13.0	"	"	"	
" 12153 () F	0.015 (153)	0.015	"	6.0	13.5	"	"	"	
" 12183 () F	0.018 (183)	0.018	"	6.5	14.5	"	"	0.8	
" 12223 () F	0.022 (223)	0.022	"	7.0	15.0	"	"	"	
" 12273 () F	0.027 (273)	0.027	26.0	6.0	15.5	22.5	"	"	
" 12333 () F	0.033 (333)	0.033	"	6.5	16.0	"	"	"	
" 12393 () F	0.039 (393)	0.039	"	7.0	16.5	"	"	"	
" 12473 () F	0.047 (473)	0.047	"	8.0	17.0	"	"	"	
" 12563 () F	0.056 (563)	0.056	31.0	7.5	"	27.5	"	"	
" 12683 () F	0.068 (683)	0.068	"	8.0	17.5	"	"	"	
" 12823 () F	0.082 (823)	0.082	"	9.0	18.5	"	"	"	
" 12104 () F	0.1 (104)	0.1	"	10.0	19.5	"	"	"	
" 12124 () F	0.12 (124)	0.12	"	11.5	20.5	"	1.5	"	
" 12154 () F	0.15 (154)	0.15	"	12.0	23.0	"	"	"	
" 12184 () F	0.18 (184)	0.18	"	13.0	24.5	"	"	"	
" 12224 () F	0.22 (224)	0.22	"	14.5	26.5	"	"	"	

TOL. SYMBOL (J or K or M)



ITEM CODE NUMBER STRUCTURE



ALTERATION		
ISSUE	DESCRIPTION	DATE
△	Overall rewriting Modification (MARKING EXAMPLE)	Jun. 9 1995
△	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.

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: $\pm 5\%$ (J), $\pm 10\%$ (K), $\pm 20\%$ (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 x 175% for 2s to 5s (1000VAC for 60s)
- (terminal-enclosure): 1500VAC for 60s
- Insulation resistance: $\geq 10000M\Omega$ at 100VDC, 20°C for 60s
- $\geq 2000M\Omega$ 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

Ⓜ 102 M
Q-E 1250V
125V~ ← date code

Reference

DESIGN	<i>(Signature)</i>
CHECKED	<i>(Signature)</i>
APPROVAL	<i>(Signature)</i>
ESTABLISHMENT	Nov. 29, 1989
TYPE NAME	ECQE12*** () F
NAME	Metallized Polyester Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CT-H-969E (1/1)

Toyama-Matsue Plant
Device Solutions Business Division
Panasonic Corporation