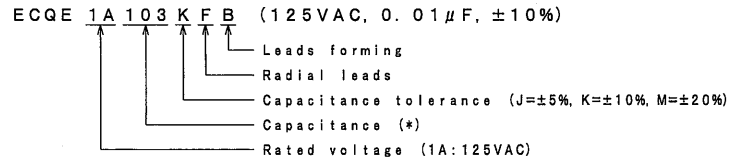


THIRD ANGLE PROJECTION

ITEM CODE	RATED VOLTAGE	CAP. μ F (*)	DIMENSIONS					MARKING		FORMING TYPE
			L	T	H	S	d	STYLE	TYPE	
ECQE1A103 () FB	125VAC	0.01 (103)	10.5	4.5	7.5	7.5	0.6	1	D	
" 1A123 () FB	"	0.012 (123)	"	4.4	"	"	"	"	"	
" 1A153 () FB	"	0.015 (153)	"	"	"	"	"	"	"	
" 1A183 () FB	"	0.018 (183)	"	"	"	"	"	"	"	
" 1A223 () FB	"	0.022 (223)	"	"	"	"	"	"	"	
" 1A273 () FB	"	0.027 (273)	"	"	"	"	"	"	"	
" 1A333 () FB	"	0.033 (333)	"	4.5	7.8	"	"	"	"	
" 1A393 () FB	"	0.039 (393)	"	"	"	"	"	"	"	
" 1A473 () FB	"	0.047 (473)	"	5.5	8.0	"	"	"	"	
" 1A563 () FB	"	0.056 (563)	"	5.9	8.5	"	"	"	"	
" 1A683 () FB	"	0.068 (683)	"	6.3	9.4	"	"	"	"	
" 1A823 () FB	"	0.082 (823)	"	6.5	9.8	"	"	"	"	
" 1A104 () FB	"	0.1 (104)	"	"	11.8	"	"	"	"	
" 1A124 () FB	"	0.12 (124)	12.5	5.9	11.5	10.0	"	"	"	
" 1A154 () FB	"	0.15 (154)	"	6.5	12.0	"	"	"	"	
" 1A184 () FB	"	0.18 (184)	"	7.0	12.5	"	"	"	"	
" 1A224 () FB	"	0.22 (224)	"	7.5	13.4	"	"	"	"	
" 1A274 () FB	"	0.27 (274)	18.5	6.3	12.0	"	"	2	B	
" 1A334 () FB	"	0.33 (334)	"	6.9	12.5	"	"	"	"	
" 1A394 () FB	"	0.39 (394)	"	7.4	13.0	"	"	"	"	
" 1A474 () FB	"	0.47 (474)	"	7.5	15.3	"	"	"	"	

TOL. SYMBOL (J or K or M)

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.

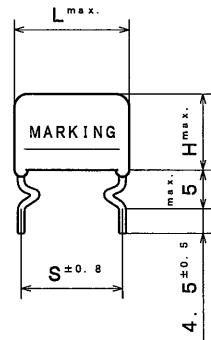
MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage, manufacturer's trademark (STYLE 2 only) and date code.

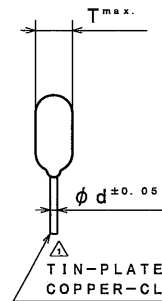
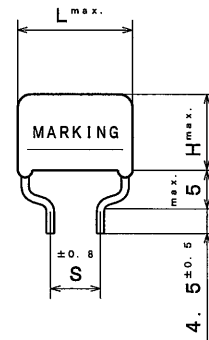
PROPERTIES

Capacitance : See table at 1kHz
 Capacitance tolerance : \pm 5% (J), \pm 10% (K), \pm 20% (M) at 1kHz
 Rated voltage : 125VAC
 Withstand voltage (terminal-terminal) : 125VAC \times 230% for 60s
 (terminal-enclosure) : 1500VAC for 60s
 Insulation resistance : \geq 2000M Ω at 500VDC, 20 $^{\circ}$ C for 60s
 Dissipation factor : \leq 1.0% at 1kHz, 20 $^{\circ}$ C
 Category temperature range : Δ From -40 $^{\circ}$ C to +105 $^{\circ}$ C
 (including temperature rise on unit surface)

TYPE D

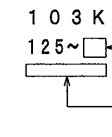


TYPE B

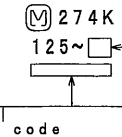


MARKING EXAMPLE

STYLE 1



STYLE 2



ALTERATION		
ISSUE	DESCRIPTION	DATE
Δ	Overall rewriting Modification	Dec. 17 2001
Δ	Company name changed	Oct. 1 2004
Δ	Company name changed	Apr. 1 2005
Δ	Company name changed	Apr. 1 2006
Δ	Company name changed	Apr. 1 2008
Δ	Change: category temperature range (-40 $^{\circ}$ C \sim +85 $^{\circ}$ C \sim -40 $^{\circ}$ C \sim +105 $^{\circ}$ C)	Dec. 21 2010
Δ	Company name changed	Apr. 1 2012
Δ	Company name changed	Apr. 1 2013
Δ	Company name changed	Apr. 1 2015

SPECIFICATIONS No. TEA7069H

Reference

DESIGN	<i>M. Okada</i>
CHECKED	<i>K. Osaki</i>
APPROVAL	<i>T. Takata</i>
ESTABLISHMENT	Nov. 22, 1988
TYPE NAME	ECQE1A*** () FB
NAME	Metallized Polyester Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	CT-H-820E (1/1)

Toyama-Matsue Plant
 Device Solutions Business Division
 Panasonic Corporation