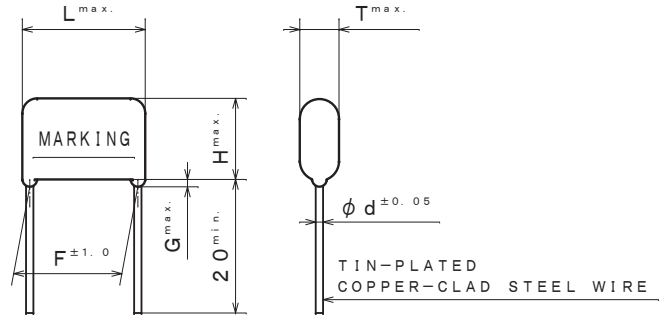
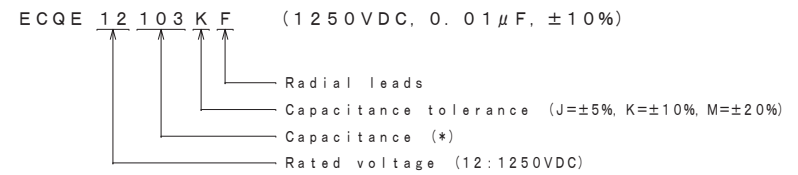


ITEM CODE	CAP. μF ( * )	CAP. (μF)	DIMENSIONS						
			L	T	H	F	G	d	
ECQE12332 () F	0.0033 (332)	0.0033	15.5	6.0	11.5	12.5	1.0	0.6	
" 12392 () F	0.0039 (392)	0.0039	"	6.5	12.0	"	"	"	
" 12472 () F	0.0047 (472)	0.0047	"	7.0	12.5	"	"	"	
" 12562 () F	0.0056 (562)	0.0056	"	7.5	13.0	"	"	"	
" 12682 () F	0.0068 (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



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 to 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

(M) 103 M  
Q-E 1250V  
125V~ [ ] ← date code

ALTERATION		
ISSUE	DESCRIPTION	DATE

SPECIFICATIONS No.

DESIGN	M. MEKADA
CHECKED	T. KATO
APPROVAL	T. KATO
ESTABLISHMENT	Nov. 1, 2022
TYPE NAME	
ECQE12*** () F	
NAME Metallized Polyester Film Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
M005M-J-E (1/1)	

Film Capacitor Business Unit  
Device Solutions Business Division  
Panasonic Industry Co., Ltd.