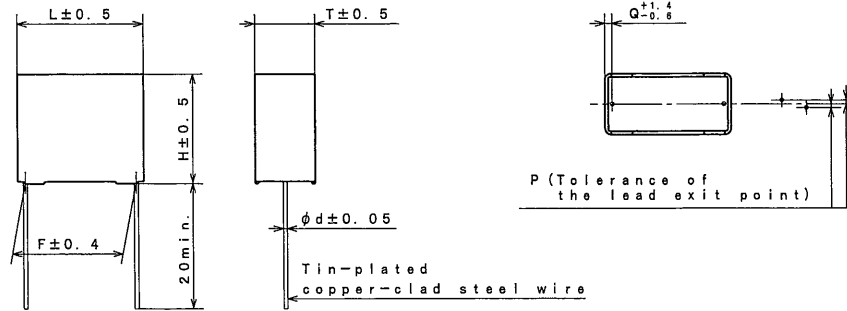


THIRD ANGLE PROJECTION

Type designation	Part No.	Cap. ( $\mu$ F) ( * )	Dimensions								Marking Style
			L	T	H	F	d	P	Q		
ECQUB	ECQUBAF102 ( )	0.001 (102)	15.3	5.0	11.5	12.5	0.6	0 $\pm$ 0.8	1.4	1	
"	" AF122 ( )	0.0012 (122)	"	"	"	"	"	"	"	"	
"	" AF152 ( )	0.0015 (152)	"	"	"	"	"	"	"	"	
"	" AF182 ( )	0.0018 (182)	"	"	"	"	"	"	"	"	
"	" AF222 ( )	0.0022 (222)	"	"	"	"	"	"	"	"	
"	" AF272 ( )	0.0027 (272)	"	"	"	"	"	"	"	"	
"	" AF332 ( )	0.0033 (332)	"	"	"	"	"	"	"	"	
"	" AF392 ( )	0.0039 (392)	"	"	"	"	"	"	"	"	
"	" AF472 ( )	0.0047 (472)	"	"	"	"	"	"	"	"	
"	" AF562 ( )	0.0056 (562)	"	"	"	"	"	"	"	"	
"	" AF682 ( )	0.0068 (682)	"	"	"	"	"	"	"	"	
"	" AF103 ( )	0.01 (103)	18.5	"	9.5	15.0	"	"	1.8	2	
"	" AF153 ( )	0.015 (153)	"	6.0	10.5	"	"	"	"	"	
"	" AF223 ( )	0.022 (223)	"	"	"	"	"	"	"	"	
"	" AF333 ( )	0.033 (333)	"	"	"	"	"	"	"	"	
"	" AF473 ( )	0.047 (473)	"	7.0	11.5	"	"	"	"	"	
"	" AF683 ( )	0.068 (683)	"	8.0	12.5	"	"	"	"	"	
"	" AF104 ( )	0.1 (104)	"	"	16.5	"	"	"	"	"	
"	" AF154 ( )	0.15 (154)	"	9.0	18.0	"	0.8	"	"	"	
"	" AF224 ( )	0.22 (224)	"	11.0	20.0	"	"	"	"	"	
"	" AF334 ( )	0.33 (334)	26.0	12.0	19.0	22.5	"	"	"	"	
"	" AF474 ( )	0.47 (474)	"	14.0	21.0	"	"	"	"	"	
"	" AF684 ( )	0.68 (684)	"	16.0	23.0	"	"	"	"	"	
"	" AF105 ( )	1.0 (105)	"	19.0	26.0	"	"	"	"	"	

Tol. symbol (K or M)



\*F: Regulation of the root

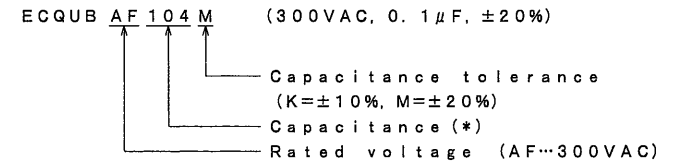
PACKING QUANTITY

Capacitance range ( $\mu$ F)	Quantity (pcs.)
0.001~0.0068	2000
0.01~0.047	1500
0.068	1200
0.1~0.15	1000
0.22	500
0.33	300
0.47~1.0	200

QUANTITY of MINIMUM ORDER

Capacitance range ( $\mu$ F)	Quantity (pcs.)
0.001~0.15	1000
0.22	500
0.33	300
0.47~1.0	200

ITEM CODE NUMBER STRUCTURE


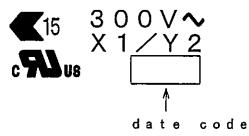

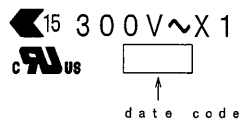


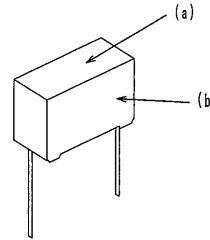
Reference

DESIGN	K. Nishikami
CHECKED	M. Fujihara
APPROVAL	K. Takemitsu
ESTABLISHMENT	Oct. 17, 2019
TYPE NAME	ECQUBAF*** ( )
NAME	Safety Standard approval Metallized Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	J018B-J-E (1/2)

Toyama-Matsue Plant  
 Device Solutions Business Division  
 Panasonic Corporation

THIRD ANGLE PROJECTION

STYLE	(a) SIDE	(b) SIDE
1	 ECQUB102 K	
2	 ECQUB103 K	



Note When applying for the agency, designate the capacitor in the following form, "ECQUB, 0.1 $\mu$ F"  
The part number need not be specified.

North America UL60384-14  
CAN/CSA-E60384-14  
Europe IEC60384-14  
EN60384-14

CLASS Y2/X1 (0.001~0.0068 $\mu$ F)  
CLASS X1 (0.01~1.0 $\mu$ F)

(Note) Only  $\pm 10\%$  as capacitance tolerance to be marked as "K"

CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polypropylene film dielectric.  
The capacitor is enclosed in non-combustible polybutylene telephthalate case, filled with non-combustible epoxy resin and has two leads.

MARKING

Marking comprises capacitance, capacitance tolerance (K only), rated voltage, type designation, capacitor classification, manufacturer's trademark, recognition mark and date code.

PROPERTIES

Capacitance : See table at 1kHz  
 Capacitance tolerance :  $\pm 10\%$  (K),  $\pm 20\%$  (M) at 1kHz  
 Rated voltage : 300VAC  
 Withstand voltage (terminal-terminal) : 1600VAC or 2121VDC (C $\leq$ 0.0068 $\mu$ F)  
 : 690VAC or 1768VDC (C $\geq$ 0.01 $\mu$ F) } for 60s  
 (terminal-enclosure) : 2100VAC  
 Insulation resistance :  $\geq 15000\Omega$  (C $\leq$ 0.33 $\mu$ F)  
 :  $\geq 5000\Omega \cdot \mu$ F (C $>$ 0.33 $\mu$ F) } at 100VDC for 60s, 20 $^{\circ}$ C  
 :  $\geq 2000\Omega$  (C $\leq$ 0.47 $\mu$ F) at 500VDC for 60s, 20 $^{\circ}$ C  
 Dissipation factor :  $\leq 0.1\%$  at 1kHz, 20 $^{\circ}$ C  
 Category temperature range : From -40 $^{\circ}$ C to +110 $^{\circ}$ C

Reference

TYPE NAME  
ECQUBAF\*\*\* ()  
DRAWING No.  
J018B-J-E (2/2)

Toyama-Matsue Plant  
Device Solutions Business Division  
Panasonic Corporation