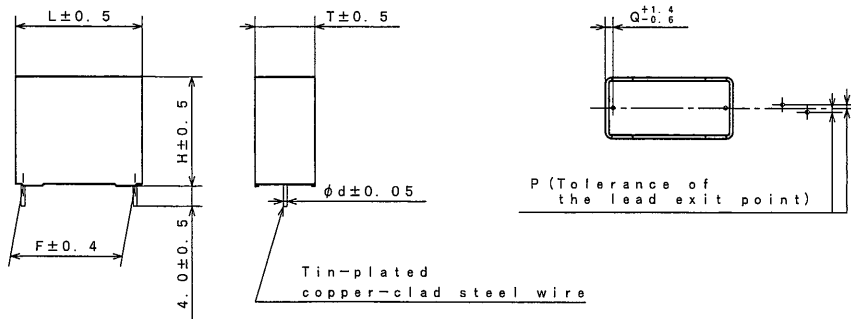


THIRD ANGLE PROJECTION

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

⌊ Tol. symbol (K or M)



·F: Regulation of the root

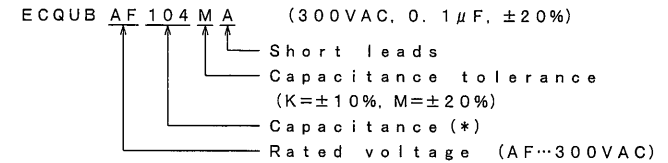
PACKING QUANTITY

Capacitance range (μF)	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 (μF)	Quantity (pcs.)
0.001~0.15	1000
0.22	500
0.33	300
0.47~1.0	200

ITEM CODE NUMBER STRUCTURE



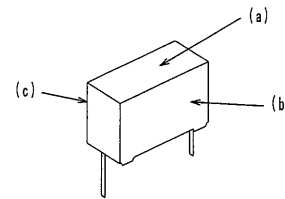
ALTERATION		
ISSUE	DESCRIPTION	DATE
SPECIFICATIONS No.		

DESIGN	<i>Murakami</i>
CHECKED	<i>K. Osaki</i>
APPROVAL	<i>K. Takemitsu</i>
ESTABLISHMENT	Oct. 17, 2019
TYPE NAME	ECQUBAF*** ( ) A
NAME	Safety Standard approval Metallized Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	J019B-J-E (1/2)

Reference

THIRD ANGLE PROJECTION

STYLE	(a) SIDE	(b) SIDE
1	(M) ECQUB102 K	 15 300V~ X1/Y2 [ ] ↑ date code
2	(M) ECQUB103 K	 15 300V~X1 [ ] ↑ date code



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

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

CLASS Y2/X1 (0.001~0.0068μF)  
CLASS X1 (0.01~1.0μF)

(Note) Only ±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 : ±10% (K), ±20% (M) at 1kHz  
 Rated voltage : 300VAC  
 Withstand voltage (terminal-terminal) : 1600VAC or 2121VDC (C≤0.0068μF)  
 : 690VAC or 1768VDC (C≥0.01μF) } for 60s  
 (terminal-enclosure) : 2100VAC  
 Insulation resistance : ≥15000MΩ (C≤0.33μF)  
 : ≥5000MΩ·μF (C>0.33μF) } at 100VDC for 60s, 20°C  
 : ≥2000MΩ (C≤0.47μF) at 500VDC for 60s, 20°C  
 Dissipation factor : ≤0.1% at 1kHz, 20°C  
 Category temperature range : From -40°C to +110°C

**Reference**

TYPE NAME ECQUBAF\*\*\* () A  
 DRAWING No. J019B-J-E (2/2)

Toyama-Matsue Plant  
 Device Solutions Business Division  
 Panasonic Corporation