

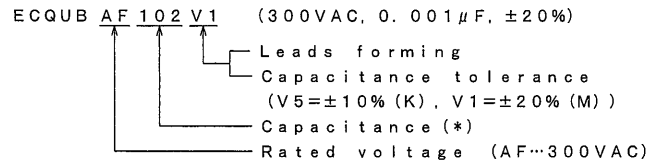
THIRD ANGLE PROJECTION

Type designation	Part No.	Cap. (μF) ( * )		Dimensions						
				L	T	H	F	d	P	Q
ECQUB	ECQUBAF102**	0.001	(102)	15.3	5.0	11.5	15.0	0.6	0±0.8	1.4
"	" 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)	"	"	"	"	"	"	"

V5...±10% (K)  
V1...±20% (M)

ALTERATION		
ISSUE	DESCRIPTION	DATE
SPECIFICATIONS No.		

ITEM CODE NUMBER STRUCTURE

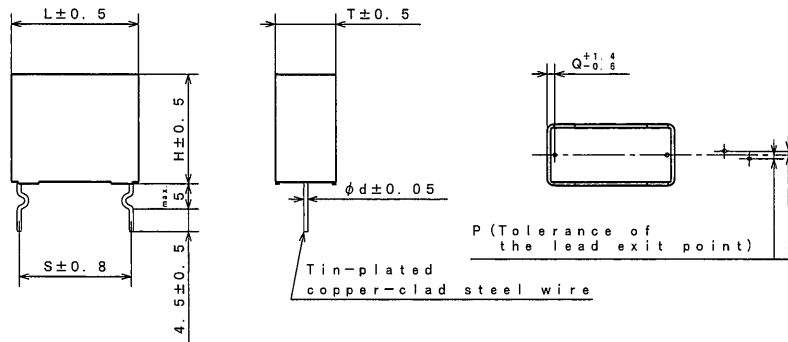


PACKING QUANTITY

Capacitance range (μF)	Quantity (pcs.)
0.001~0.0068	3000

QUANTITY of MINIMUM ORDER




Capacitance range (μF)	Quantity (pcs.)
0.001~0.0068	1000

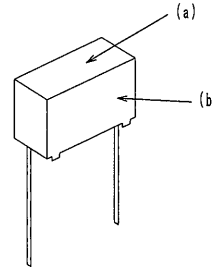


Reference

DESIGN	K. Murakami
CHECKED	K. Baekal
APPROVAL	K. Furukawa
ESTABLISHMENT	Dec. 5. 2019
TYPE NAME	
ECQUBAF***V5	
ECQUBAF***V1	
NAME Safety Standard approval	
Metallized Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
J045B-J-E (1/2)	

THIRD ANGLE PROJECTION

(a) SIDE	(b) SIDE
 ECQUB102 K	 300V~ X1/Y2  ↑ date code



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

Note When applying for the agency, designate the capacitor in the following form, "ECQUB, 0.001 $\mu$ F"  
The part number need not be specified.

North America    UL60384-14  
                           CAN/CSA-E60384-14

Europe            IEC60384-14  
                           EN60384-14

CLASS Y2/X1

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	} for 60s
(terminal-enclosure)	: 2100VAC	
Insulation resistance	: $\geq 15000\text{M}\Omega$	at 100VDC for 60s, 20°C
	: $\geq 2000\text{M}\Omega$	at 500VDC for 60s, 20°C
Dissipation factor	: $\leq 0.1\%$	at 1kHz, 20°C
Category temperature range	: From -40°C to +110°C	

Reference

TYPE NAME	ECQUBAF***V5 ECQUBAF***V1
DRAWING No.	J045B-J-E (2/2)

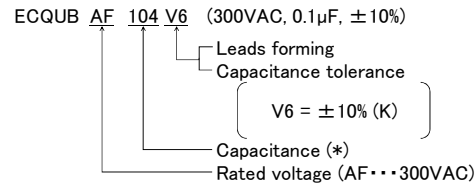
Toyama-Matsue Plant  
 Device Solutions Business Division  
 Panasonic Corporation

THIRD ANGLE PROJECTION

Type designation	Part No.	Cap.		Dimensions						
		$\mu\text{F}$	(*)	L	T	H	S	d	P	Q
ECQUB	ECQUB AF103**	0.01	(103)	18.5	5.0	9.5	12.5	0.6	0 $\pm$ 0.8	1.8
"	" 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	"	"	"	"

V6 =  $\pm 10\%$  (K)  
V2 =  $\pm 20\%$  (M)

ITEM CODE NUMBER STRUCTURE



CONSTRUCTION

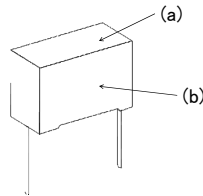
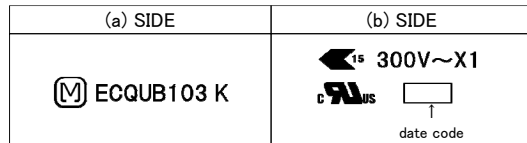
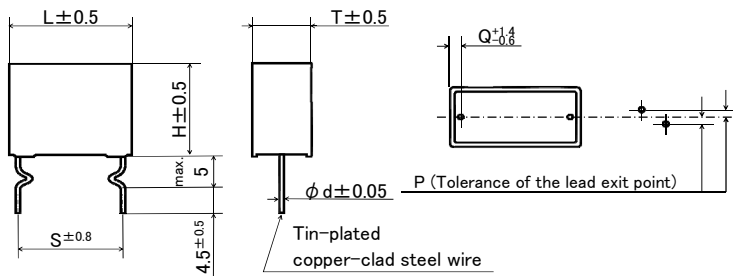
The capacitor is of non-inductive construction, would with metallized polypropylene film dielectric. The capacitor is enclosed in non-combustible polybutylene terephthalate case, filled with non-combustible epoxy resin and has two leads.

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)	: 690VAC or 1768VDC	for 60s
(terminal-enclosure)	: 2100VAC	for 60s
Insulation resistance	: $\geq 15000\Omega$	at 100VDC for 60s, 20°C
	: $\geq 20000\Omega$	at 500VDC for 60s, 20°C
Dissipation factor	: $\leq 0.1\%$	at 1kHz, 20°C



DO NOT SCALE DRAWING

REVISIONS INDICATED BY  $\Delta$

ALL DIMENSIONS ARE IN MILLIMETERS

ALTERATION		
ISSUE	DESCRIPTION	DATE
SPECIFICATIONS No.		

PACKING QUANTITY

Capacitance range ( $\mu\text{F}$ )	Quantity (pcs.)
0.01 ~ 0.047	1500
0.068	1200
0.1	1000

QUANTITY of MINIMUM ORDER

Capacitance range ( $\mu\text{F}$ )	Quantity (pcs.)
0.01 ~ 0.1	1000

DESIGN	K Murakami
CHECKED	<b>REFERENCE</b>
APPROVED	
ESTABLISHED	
DATE	
TYPE NAME	
ECQUBAF***V6 ECQUBAF***V2	
NAME	
Safety Standard approval Metallized Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
K036B-J-E (1/1)	
Toyama·Matsue Plant Device Solutions Business Division Panasonic Corporation	