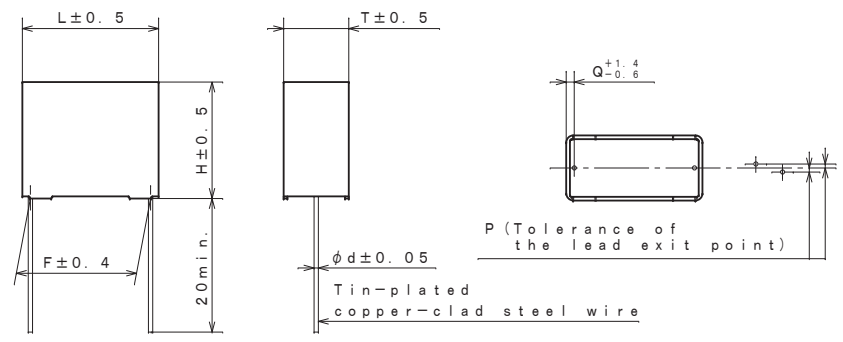


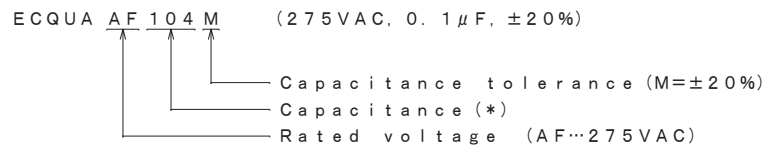
Type designation	Part No.	Cap.		Dimensions							MARKING STYLE
		(μ F)	(*)	L	T	H	F	d	P	Q	
ECQUA	ECQUAAF822 ()	0.0082	(822)	15.3	5.0	11.5	12.5	0.6	0±0.8	1.5	1
"	" AF103 ()	0.01	(103)	"	"	"	"	"	"	"	"
"	" AF123 ()	0.012	(123)	"	"	"	"	"	"	"	"
"	" AF153 ()	0.015	(153)	"	"	"	"	"	"	"	"
"	" AF183 ()	0.018	(183)	"	"	"	"	"	"	"	"
"	" AF223 ()	0.022	(223)	"	"	"	"	"	"	"	"
"	" AF273 ()	0.027	(273)	"	"	"	"	"	"	"	"
"	" AF333 ()	0.033	(333)	"	"	"	"	"	"	"	"
"	" AF393 ()	0.039	(393)	"	"	"	"	"	"	"	"
"	" AF473 ()	0.047	(473)	"	6.0	13.0	"	"	"	"	"
"	" AF563 ()	0.056	(563)	17.5	5.0	12.0	15.0	"	"	1.3	"
"	" AF683 ()	0.068	(683)	"	"	"	"	"	"	"	"
"	" AF823 ()	0.082	(823)	"	"	"	"	"	"	"	"
"	" AF104 ()	0.1	(104)	"	"	"	"	"	"	"	2
"	" AF124 ()	0.12	(124)	"	6.0	13.0	"	"	"	"	1
"	" AF154 ()	0.15	(154)	"	"	"	"	"	"	"	2
"	" AF184 ()	0.18	(184)	"	7.5	14.0	"	"	"	"	1
"	" AF224 ()	0.22	(224)	"	"	"	"	"	"	"	2
"	" AF274 ()	0.27	(274)	"	9.0	16.0	"	"	"	"	1
"	" AF334 ()	0.33	(334)	"	"	"	"	"	"	"	2
"	" AF394 ()	0.39	(394)	26.0	8.5	15.0	22.5	0.8	"	1.8	1
"	" AF474 ()	0.47	(474)	"	"	"	"	"	"	"	2
"	" AF564 ()	0.56	(564)	"	10.0	17.0	"	"	"	"	1
"	" AF684 ()	0.68	(684)	"	"	"	"	"	"	"	2
"	" AF824 ()	0.82	(824)	"	12.0	19.0	"	"	"	"	1
"	" AF105 ()	1.0	(105)	"	"	"	"	"	"	"	2
"	" AF125 ()	1.2	(125)	31.0	12.0	22.0	27.5	"	"	"	1
"	" AF155 ()	1.5	(155)	"	"	"	"	"	"	"	2
"	" AF185 ()	1.8	(185)	"	14.5	24.5	"	"	"	"	1
"	" AF225 ()	2.2	(225)	"	"	"	"	"	"	"	2
"	" AF275 ()	2.7	(275)	"	19.0	29.0	"	"	"	"	1
"	" AF335 ()	3.3	(335)	"	"	"	"	"	"	"	2
"	" AF475 ()	4.7	(475)	"	23.0	33.0	"	"	"	"	"

Tol. symbol (K or M)



*F: Regulation of the root

ITEM CODE NUMBER STRUCTURE



ALTERATION		
ISSUE	DESCRIPTION	DATE
Δ	Company name changed	Apr. 1 2022

SPECIFICATIONS No.

PACKING QUANTITY


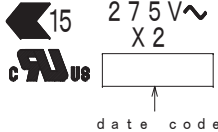




Capacitance range (μ F)	Quantity (pcs.)
0.0082~0.039	1600
0.047~0.15	1500
0.18~0.22	1200
0.27~0.33	1000
0.39~0.47	600
0.56~0.68	500
0.82~1.0	300
1.2~2.2	200
2.7~3.3	150
4.7	100

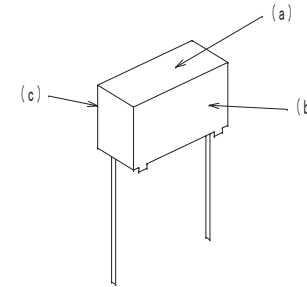
QUANTITY of MINIMUM ORDER

Capacitance range (μ F)	Quantity (pcs.)
0.0082~0.33	1000
0.39~0.47	600
0.56~0.68	500
0.82~1.0	300
1.2~2.2	200
2.7~3.3	150
4.7	100

DESIGN	M. MEKADA
CHECK	S. IWA
APPROVAL	T. KATO
ESTABLISHMENT	Dec. 5, 2019
TYPE NAME	
ECQUAAF*** ()	
NAME Safety Standard approval	
Metalized Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
J042B-J-E (1/2)	

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

STYLE	(a) SIDE	(b) or (c) SIDE
1	 ECQUA103K	 date code
2	 ECQUA104  275V~ X2 	 date code



Note When applying for the agency, designate the capacitor in the following form, "ECQUA, 0.33μF"
The part number need not be specified.

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

Europe IEC60384-14
EN60384-14

CLASS X2

(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 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 : ±10% (K), ±20% (M) at 1kHz
 Rated voltage : 275VAC
 Withstand voltage (terminal-terminal) : 633VAC or 1183VDC } for 60s
 (terminal-enclosure) : 2050VAC
 Insulation resistance : ≥15000MΩ (C≤0.33μF) } at 100VDC for 60s, 20°C
 : ≥5000MΩ·μF (C>0.33μF)
 : ≥2000MΩ (C≤0.47μF) at 500VDC for 60s, 20°C
 Dissipation factor : ≤0.1% (C≤1.0μF) } at 1kHz, 20°C
 : ≤0.2% (C>1.0μF)
 Category temperature range : From -40°C to +110°C

REFERENCE

TYPE NAME
ECQUAAF*** ()

DRAWING No.
J042B-J-E (2/2)

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