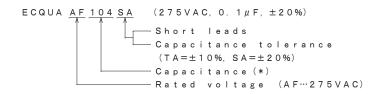
THIRD ANGLE PROJECTION

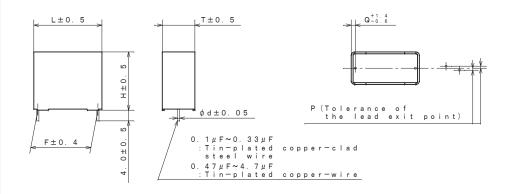
Туре	Part No.	Сар.		Dimensions						
designation		(μF)	(*)	L	Т	Н	F	d	Р	Q
ECQUA	ECQUAAF104**	0.1	(104)	17.5	5.0	12.0	15.0	0.6	0±0.8	1. 3
"	" AF154**	0.15	(154)	"	6.0	13.0	"	"	"	"
"	" AF224**	0.22	(224)	"	7. 5	14.0	"	"	"	"
"	" AF334**	0.33	(334)	"	9.0	16.0	"	"	"	"
"	" AF474**	0.47	(474)	26.0	8. 5	15.0	22.5	0.8	"	1. 8
"	" AF684**	0.68	(684)	"	10.0	17.0	"	"	"	"
"	" AF105**	1. 0	(105)	"	12.0	19.0	"	"	"	"
"	" AF155**	1. 5	(155)	31.0	12.0	22.0	27.5	"	"	"
"	" AF225**	2. 2	(225)	"	14.5	24.5	"	"	"	"
"	" AF335**	3. 3	(335)	"	19.0	29.0	"	"	"	"
"	" AF475**	4. 7	(475)	"	23.0	33.0	"	"	"	"

T A=±10% (K) S A=±20% (M)

ITEM CODE NUMBER STRUCTURE

·F:Regulation of the root





PACKING QUANTITY

Capacitance range	Quantity
(μF)	(pcs.)
0.01~ 0.1	1600
0. 15	1200
0. 22	1000
0.33~ 0.47	800
0.68	500
1. 0	3 0 0
1. 5, 2. 2	200
3. 3	150
4. 7	100

QUANTITY of MINIMUM ORDER

Capacitance range	Quantity
(μF)	(pcs.)
0.01~ 0.22	1000
0.33~ 0.47	800
0.68	500
1. 0	3 0 0
1. 5, 2. 2	200
3. 3	150
4. 7	100

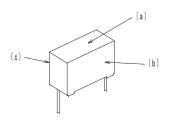
ALTERATION ISSUE DESCRIPTION DATE SPECIFICATIONS No.

For Automotive

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

THIRD ANGLE PROJECTION

(a) SIDE	(b) or (c) SIDE
ECQUA104 100 275 V~ X2 c 10	∏ K ↑ date code



(Note) Only ±10% as capacitance tolerance to be marked as "K"

Note When applying for the agency, designate the capacitor in the following form, "ECQUA, 0.33 μ F"

The part number need not be specified.

North America UL60384-14

CAN/CSA-E60384-14

Europe IEC60384-14 EN60384-14

CLASS X2

CONSTRUCTION

The capacitor is of non-inductive construction, would 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.

at 1kHz

MARKING

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

PROPERTIES

Capacitance

Capacitance tolerance : ±10% (K) . ±20% (M) at 1kHz Rated voltage : 275 V A C Withstand voltage (terminal-terminal) :633VAC or 1183VDC for 60s (terminal-enclosure):2050VAC $: \ge 15000MΩ$ (C≤0. 33 μ F) Insulation resistance at 100VDC for 60s, 20°C : ≥5000MΩ·μF (C>0, 33μF) $: \ge 2000 \text{M}\Omega$ (C $\le 0.47 \mu\text{F}$) at 500 VDC for 60 s, $20 ^{\circ}\text{C}$ Dissipation factor :≦0.1% (C≦1.0μF)] at 1kHz, 20℃ $\leq 0.2\%$ (C>1.0 μ F) :From -40°C to +110°C Category temperature range

:See table

REFERENCE

TYPE NAME

ECQUAAF***TA ECQUAAF***SA

DRAWING No.

M017B-J-E (2/2)

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