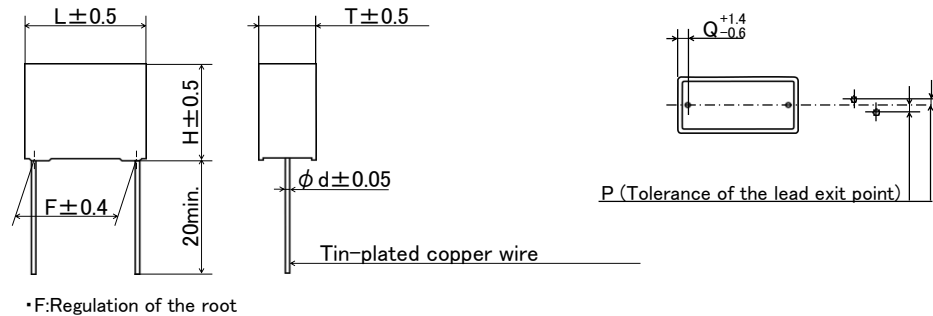


THIRD ANGLE PROJECTION

Part No.	Cap. μF (*)	Dimensions								VOLUME (mm^3)
		L	T	H	F	d	P	Q		
ECWFJ 2J105()	1.0 (105)	31.5	9.5	18.0	27.5	1.0	0 ± 1.0	2.00	5387	
ECWFJ 2J155()	1.5 (155)	"	10.5	21.0	"	"	"	"	6946	
ECWFJ 2J225()	2.2 (225)	"	12.0	24.5	"	"	"	"	9261	
ECWFJ 2J305()	3.0 (305)	"	13.5	28.5	"	"	"	"	12120	
ECWFJ 2J405()	4.0 (405)	"	16.0	29.5	"	"	"	"	14868	
ECWFJ 2J475()	4.7 (475)	"	17.5	32.5	"	"	"	"	17916	

Capacitance tolerance (J = $\pm 5\%$, K = $\pm 10\%$)



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.

MARKING

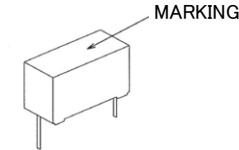
Marking comprises capacitance, capacitance tolerance, rated voltage, and date code.

PROPERTIES

- Capacitance : See table at 1kHz
- Capacitance tolerance : $\pm 5\%$ (J), $\pm 10\%$ (K) at 1kHz
- Rated voltage : 630VDC
(Derating of rated voltage by 1.0%/ $^{\circ}\text{C}$ at more than 85 $^{\circ}\text{C}$)
- Withstand voltage (terminal-terminal) : 630VDC x 150% for 60s
- Insulation resistance : $\geq 3000 \text{M}\Omega \cdot \mu\text{F}$ at 500VDC, R.T for 60s
- Dissipation factor : $\leq 0.1\%$ at 1kHz, R.T
- Category temperature range : From -40 $^{\circ}\text{C}$ to +110 $^{\circ}\text{C}$
(including temperature rise on unit surface)

MARKING EXAMPLE

W F J 105 J
2 J
↑
date code



ITEM CODE NUMBER STRUCTURE

ECWFJ 2J 105 J (630VDC, 1.0 μF , $\pm 5\%$)
 ↑ ↑ ↑
 Rated voltage (2J...630VDC)
 Capacitance : See table (*)
 Capacitance tolerance (J = $\pm 5\%$)

PACKING QUANTITY

Capacitance range (μF)	quantity (pcs.)
1.0	400
1.5	300
2.2	200
3.0	150
4.0	100
4.7	100

QUANTITY OF MINIMUM ORDER

Capacitance range (μF)	quantity (pcs.)
1.0	400
1.5	300
2.2	200
3.0	150
4.0	100
4.7	100

Reference

ALTERATION		
ISSUE	DESCRIPTION	DATE
SPECIFICATIONS No.		

DESIGN	OU
CHECKED	Li
APPROVAL	Chen
ESTABLISHMENT	Nov.15.2025
TYPE NAME	
ECWFJ 2J***()	
NAME Metallized Polypropylene Film Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
P007J-B-E	
Film Capacitor Business Unit Device Solutions Business Division Panasonic Industry Co., Ltd.	