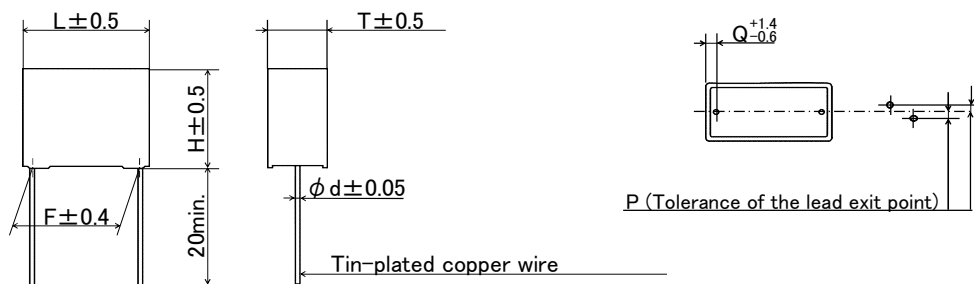


THIRD ANGLE PROJECTION

Part No.	Cap.		Dimensions							VOLUME (mm ²)
	μF	(*)	L	T	H	F	d	P	Q	
ECWFJ 3A105J	1.0	(105)	31.0	9.0	19.0	27.5	0.8	0±1.0	2.00	5301
ECWFJ 3A155J	1.5	(155)	〃	11.0	21.0	〃	〃	〃	〃	7161
ECWFJ 3A205J	2.0	(205)	〃	13.0	23.0	〃	〃	〃	〃	9269
ECWFJ 3A225J	2.2	(225)	〃	〃	〃	〃	〃	〃	〃	〃
ECWFJ 3A305J	3.0	(305)	〃	14.0	24.0	〃	〃	〃	〃	10416
ECWFJ 3A335J	3.3	(335)	〃	15.5	25.5	〃	〃	〃	〃	12450
ECWFJ 3A405J	4.0	(405)	31.5	16.0	29.5	〃	〃	〃	〃	14868
ECWFJ 3A475J	4.7	(475)	31.0	19.0	30.0	〃	〃	〃	〃	17670
ECWFJ 3A505J	5.0	(505)	〃	〃	〃	〃	〃	〃	〃	〃
ECWFJ 3A605J	6.0	(605)	31.5	17.5	32.5	〃	〃	〃	〃	17916



•F:Regulation of the root

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.

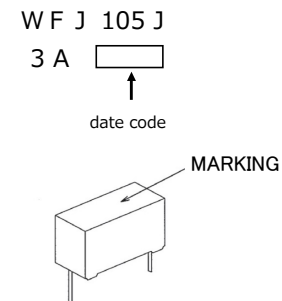
MARKING

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

PROPERTIES

Capacitance : See table at 1kHz
Capacitance tolerance : ±5% (J) at 1kHz
Rated voltage : 1000VDC
(Derating of rated voltage by 1.0%/°C at more than 85°C)
Withstand voltage (terminal-terminal) : 1000VDC x 150% for 60s
Insulation resistance : ≥3000MΩ·μF at 500VDC, R.T for 60s
Dissipation factor : ≤ 0.1% at 1kHz, R.T
Category temperature range : From -40°C to +105°C
(including temperature rise on unit surface)

MARKING EXAMPLE



ITEM CODE NUMBER STRUCTURE

ECWFJ 3A 105 J (1000VDC, 1.0μF, ±5%)
Capacitance tolerance (J=±5%)
Capacitance : See table (*)
Rated voltage (3A...1000VDC)

PACKING QUANTITY

Capacitance range (μF)	quantity (pcs.)
1.0	350
1.5	300
2.0~2.2	200
3.0~4.0	150
4.7~6.0	100

QUANTITY OF MINIMUM ORDER

Capacitance range (μF)	quantity (pcs.)
1.0	350
1.5	300
2.0~2.2	200
3.0~4.0	150
4.7~6.0	100

Reference

DESIGN	Xia
CHECKED	Li
APPROVAL	Chen
ESTABLISHMENT	Dec.25.2025
TYPE NAME	
ECWFJ 3A***J	
NAME Metallized Polypropylene Film Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
P013J-B-E	
Film Capacitor Business Unit Device Solutions Business Division Panasonic Industry Co., Ltd.	

DO NOT SCALE DRAWING

REVISIONS INDICATED BY Δ

ALL DIMENSIONS ARE IN MILLIMETERS