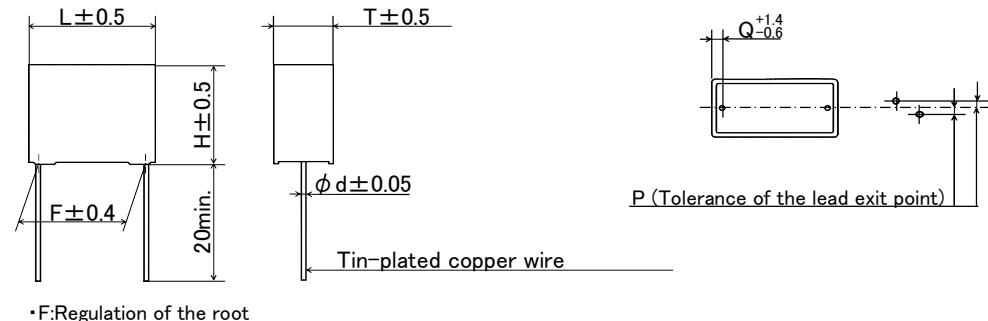


THIRD ANGLE PROJECTION

Part No.	Cap. μF (*)	Dimensions						VOLUME (mm ³)	
		L	T	H	F	d	P		
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, 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, rated voltage, and date code.

PROPERTIES

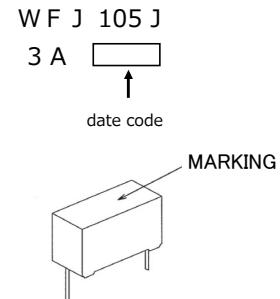
Capacitance	: See table	at 1kHz
Capacitance tolerance	: ±5% (J)	at 1kHz
Rated voltage	: 1000VDC	
	(Derating of rated voltage by 1.0%/°C at more than 85°C)	
Withstand voltage (terminal-terminal)	: 1000VDC x 150%	for 60s
Insulation resistance	: ≥3000MΩ	·μF at 500VDC, R.T for 60s
Dissipation factor	: ≤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

DO NOT SCALE DRAWING

REVISIONS INDICATED BY △

ALL DIMENSIONS ARE IN MILLIMETERS

MARKING EXAMPLE



ALTERATION		
ISSUE	DESCRIPTION	DATE

SPECIFICATIONS No.

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

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.