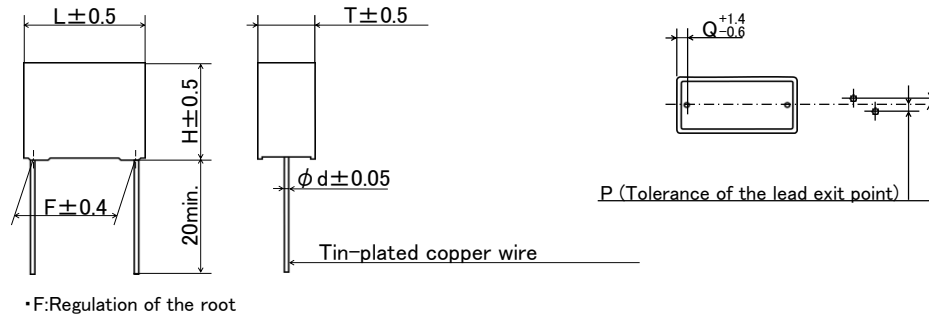


THIRD ANGLE PROJECTION

Part No.	Cap. μF (*)	Dimensions							VOLUME (mm ³)
		L	T	H	F	d	P	Q	
ECWFJ 70105()	1.0 (105)	31.5	9.5	18.0	27.5	1.0	0±1.0	2.00	5387
ECWFJ 70155()	1.5 (155)	"	10.5	21.0	"	"	"	"	6946
ECWFJ 70205()	2.0 (205)	"	12.0	24.5	"	"	"	"	9261
ECWFJ 70225()	2.2 (225)	"	"	"	"	"	"	"	9261
ECWFJ 70305()	3.0 (305)	"	13.5	28.5	"	"	"	"	12120
ECWFJ 70395()	3.9 (395)	"	16.0	29.5	"	"	"	"	14868
ECWFJ 70405()	4.0 (405)	"	"	"	"	"	"	"	14868
ECWFJ 70475()	4.7 (475)	"	17.5	32.5	"	"	"	"	17916

Capacitance tolerance (J=±5%, K=±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.

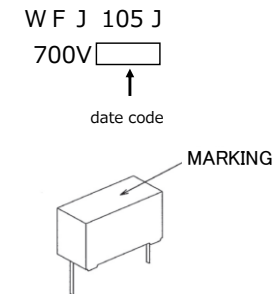
MARKING

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

PROPERTIES

Capacitance : See table at 1kHz
 Capacitance tolerance : ±5% (J)、±10% (K) at 1kHz
 Rated voltage : 700VDC
 (Derating of rated voltage by 1.0%/°C at more than 85°C)
 Withstand voltage (terminal-terminal) : 700VDC 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 +110°C
 (including temperature rise on unit surface)

MARKING EXAMPLE



ITEM CODE NUMBER STRUCTURE

ECWFJ 70 105 J (700VDC, 1.0μF, ±5%)
 Capacitance tolerance (J=±5%, K=±10%)
 Capacitance : See table (*)
 Rated voltage (70...700VDC)

PACKING QUANTITY

Capacitance range (μF)	quantity (pcs.)
1.0	400
1.5	300
2.0~2.2	200
3.0	150
3.9~4.7	100

QUANTITY OF MINIMUM ORDER

Capacitance range (μF)	quantity (pcs.)
1.0	400
1.5	300
2.0~2.2	200
3.0	150
3.9~4.7	100

Reference

DESIGN	OU
CHECKED	Li
APPROVAL	Chen
ESTABLISHMENT	Nov.15.2025
TYPE NAME	
ECWFJ 70*** ()	
NAME Metallized Polypropylene Film Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
P009J-B-E	
Film Capacitor Business Unit Device Solutions Business Division Panasonic Industry Co., Ltd.	