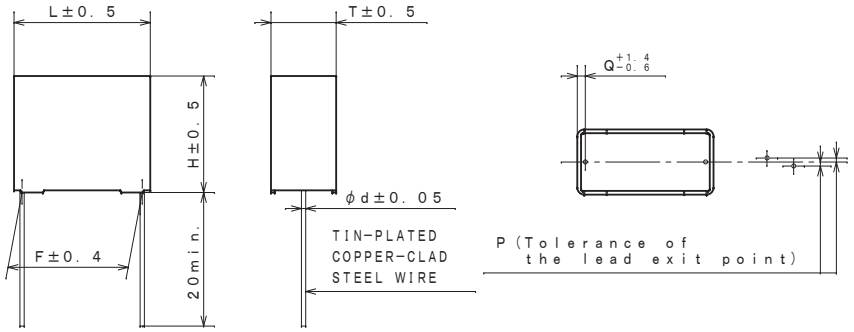
THIRD ANGLE PROJECTION

ITEM CODE	CAPACITANCE μF	(*)	DIMENSIONS L	T	H	F	d	P	Q	VOLUME (mm³)	Note
ECWFE2J104 ()	0.10	(104)	17.5	5.0	10.5	15.0	0.6	0±0.8	1.25	919	
〃 2J154 ()	0.15	(154)	〃	6.0	11.5	〃	〃	〃	〃	1208	
〃 2J224 ()	0.22	(224)	〃	7.0	12.5	〃	〃	〃	〃	1531	
〃 2J334 ()	0.33	(334)	〃	8.5	14.5	〃	〃	〃	〃	2157	*
〃 2J474 ()	0.47	(474)	〃	10.0	15.5	〃	〃	〃	〃	2713	*
〃 2J684 ()	0.68	(684)	〃	11.0	17.5	〃	〃	〃	〃	3369	*
〃 2J105 ()	1.0	(105)	26.0	10.0	17.0	22.5	0.8	〃	1.75	4420	*
〃 2J155 ()	1.5	(155)	〃	12.0	19.0	〃	〃	〃	〃	5928	*
〃 2J225 ()	2.2	(225)	〃	16.0	23.0	〃	〃	〃	〃	9568	*

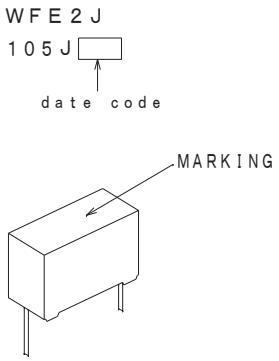
Note

*The specimen (the volume is more than 1750mm³) shall be satisfied with IEC60384-1 Inflammability Category B based on IEC60065, 1998~



・F: regulation of the root

MARKING EXAMPLE



ITEM CODE NUMBER STRUCTURE

ECWFE 2J 105 J (630VDC, 1.0μF, ±5%)

- Capacitance tolerance (J=±5%, K=±10%)
- Capacitance : See table (*)
- Rated voltage (2J··630VDC)

PACKING QUANTITY

Capacitance range (μF)	Quantity (pcs.)
0.1 ~0.22	1500
0.33~0.47	1000
0.68	600
1.0	500
1.5	300
2.2	200

QUANTITY of MINIMUM ORDER

Capacitance range (μF)	Quantity (pcs.)
0.1 ~0.47	1000
0.68	600
1.0	500
1.5	300
2.2	200

CONSTRUCTION

The capacitor is of non-inductive construction, wound 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	:630VDC △1(Derating of rated voltage by 1.0%/℃ at more than 85℃)
*Withstand voltage(terminal-terminal)	:630VDC×150% for 60s
*Insulation resistance	:≧9000MΩ (C≦0.33μF) at 500VDC, 20℃ for 60s :≧3000MΩ・μF (C>0.33μF) at 500VDC, 20℃ for 60s
*Dissipation factor	:≦0.1% at 1kHz, 20℃
*Category temperature range (including temperature rise on unit surface)	:From −40℃ to +105℃

ALTERATION		
ISSUE	DESCRIPTION	DATE
△1	Err correction Derating of rated voltage by 1.25%/℃··· →···by 1.0%/℃···	Nov. 16 2015
△2	Company name changed	Apr. 1 2022
SPECIFICATIONS No.		

DESIGN	M.MEKADA
CHECKED	T.TANAKA
APPROVAL	T.KATO
ESTABLISHMENT	Oct. 15. 2015
TYPE NAME	ECWFE2J***()
NAME	Metallized Polypropylene Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	E012J-J-E (1/1)

REFERENCE

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

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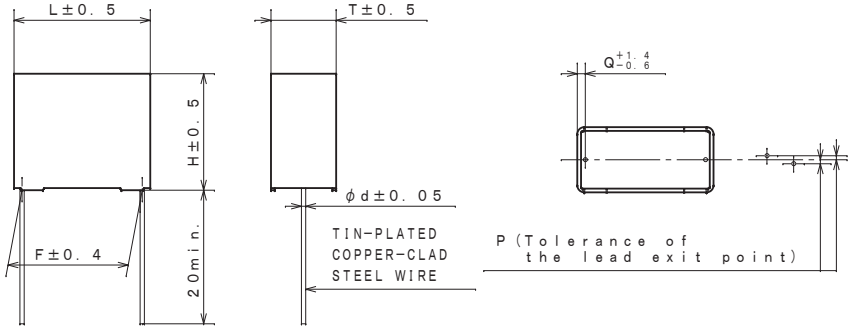
THIRD ANGLE PROJECTION

	ITEM CODE	CAPACITANCE μF	(*)	DIMENSIONS L	T	H	F	d	P	Q	VOLUME (mm³)	Note
	ECWFE2J104**	0.10	(104)	26.0	6.0	13.0	22.5	0.8	0±0.8	1.75	2028	*
	〃 2J154**	0.15	(154)	〃	〃	〃	〃	〃	〃	〃	2028	*
	〃 2J224**	0.22	(224)	〃	〃	〃	〃	〃	〃	〃	2028	*
	〃 2J334**	0.33	(334)	〃	7.0	14.0	〃	〃	〃	〃	2548	*
	〃 2J474**	0.47	(474)	〃	8.0	15.0	〃	〃	〃	〃	3120	*
1	〃 2J105**	1.0	(105)	31.0	9.0	19.0	27.5	〃	〃	〃	5301	*
1	〃 2J155**	1.5	(155)	〃	11.0	21.0	〃	〃	〃	〃	7161	*
1	〃 2J225**	2.2	(225)	〃	13.0	23.0	〃	〃	〃	〃	9269	*

P5=±5%(J)
Q5=±10%(K)

Note

*The specimen (the volume is more than 1750mm³) shall be satisfied with IEC60384-1 Inflammability Category B based on IEC60065, 1998~



・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 telephthalate case, filled with non-combustible epoxy resin and has two leads.

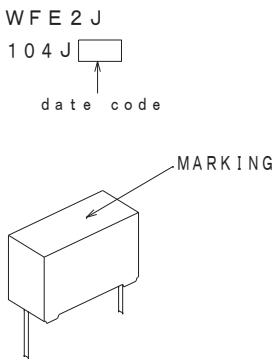
MARKING

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	:630VDC (Derating of rated voltage by 1.0%/℃ at more than 85℃)
*Withstand voltage(terminal-terminal)	:630VDC×150% for 60s
*Insulation resistance	:≧9000MΩ (C≦0.33μF) at 500VDC, 20℃ for 60s :≧3000MΩ・μF (C>0.33μF) at 500VDC, 20℃ for 60s
*Dissipation factor	:≦0.1% at 1kHz, 20℃
*Category temperature range (including temperature rise on unit surface)	:From −40℃ to +105℃

MARKING EXAMPLE



ITEM CODE NUMBER STRUCTURE

ECWFE 2J 104 P5 (630VDC, 0.1μF, ±5%)

- Capacitance tolerance (P5=±5%(J), Q5=±10%(K))
- Capacitance : See table(*)
- Rated voltage (2J··630VDC)

PACKING QUANTITY

	Capacitance range (μF)	Quantity (pcs.)
	0.1 ~0.22	900
	0.33	700
	0.47	600
1	1.0	400
1	1.5 ~2.2	200

QUANTITY of MINIMUM ORDER

	Capacitance range (μF)	Quantity (pcs.)
	0.1 ~0.22	900
	0.33	700
	0.47	600
1	1.0	400
1	1.5 ~2.2	200

ALTERATION		
ISSUE	DESCRIPTION	DATE
1	Addition(105~225)	Feb. 12 2019
2	Company name changed	Apr. 1 2022

SPECIFICATIONS No.

DESIGN	M. MEKADA
CHECKED	T. TOMITA
APPROVAL	T. KATO
ESTABLISHMENT	Jan. 30. 2019

REFERENCE

TYPE NAME
ECWFE2J***P5
ECWFE2J***Q5

NAME Metallized Polypropylene Film Capacitor

DRAWING NAME
PRODUCT DRAWING

DRAWING No.
J003J-J-E (1/1)

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

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