THIRD ANGLE PROJECTION

ITEM CODE	CAPACITANCE μF	(*)	DIMENSIONS L	T	H	F	d	P	Q	VOLUME (mm³)	Note
ECWFG2J105 () A	1.0	(105)	31.5	9.5	18.0	27.5	1.0	0±0.8	2.0	5387	*
〃 2J155 () A	1.5	(155)	〃	10.5	21.0	〃	〃	〃	〃	6946	*
〃 2J225 () A	2.2	(225)	〃	12.0	24.5	〃	〃	〃	〃	9261	*
〃 2J305 () A	3.0	(305)	〃	13.5	28.5	〃	〃	〃	〃	12120	*
〃 2J475 () A	4.7	(475)	〃	17.5	32.5	〃	〃	〃	〃	17916	*

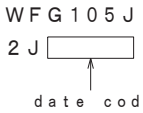
Note

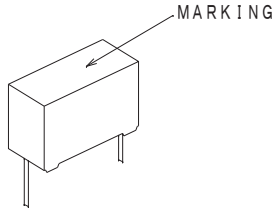
*The specimen (the volume is more than 1750mm³) shall be satisfied with IEC60384-1 Inflammability Category B based on IEC60065, 1998～

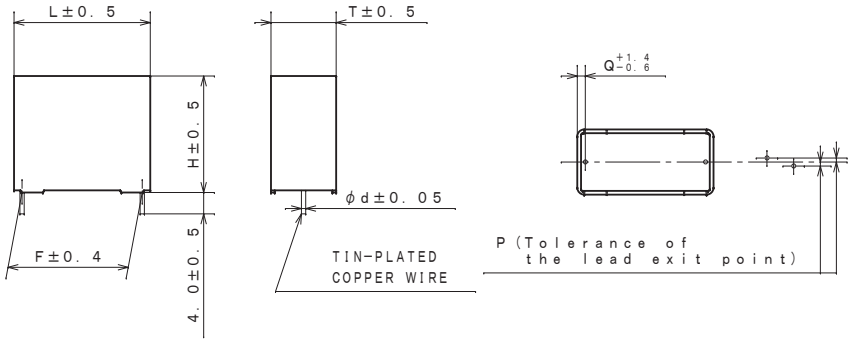
ALTERATION		
ISSUE	DESCRIPTION	DATE
1	Company name changed	Apr. 1 2022

SPECIFICATIONS No.

MARKING EXAMPLE







・F: regulation of the root

ITEM CODE NUMBER STRUCTURE

ECWFG 2J 105 J A (630VDC, 1.0μF, ±5%)

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

PACKING QUANTITY

Capacitance range (μF)	Quantity (pcs.)
1.0	350
1.5	300
2.2	250
3.0	150
4.7	100

QUANTITY of MINIMUM ORDER

Capacitance range (μF)	Quantity (pcs.)
1.0	350
1.5	300
2.2	250
3.0	150
4.7	100

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	:≧3000MΩ・μF at 500VDC, 20℃ for 60s
*Dissipation factor	:≦0.1% at 1kHz, 20℃
*Category temperature range (including temperature rise on unit surface)	:From −40℃ to +110℃

DESIGN	M. MEKADA
CHECK	T. TANAKA
APPROVAL	T. KATO
ESTABLISHMENT	Mar. 29. 2018
TYPE NAME	ECWFG 2J*** () A
NAME	Metallized Polypropylene Film Capacitor
DRAWING NAME	PRODUCT DRAWING
DRAWING No.	H005J-J-E (1/1)

REFERENCE

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

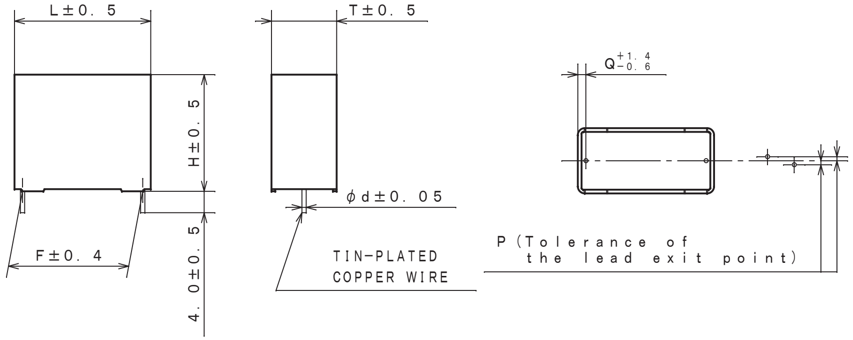
DO NOT SCALE DRAWING REVISIONS INDICATED BY Δ ALL DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

ITEM CODE	CAPACITANCE μF	(*)	DIMENSIONS L	T	H	F	d	P	Q	VOLUME (mm³)	Note
ECWFG2J105**	1. 0	(105)	27. 0	10. 5	19. 0	22. 5	1. 0	0±0. 8	2. 25	5387	*
〃 2J155**	1. 5	(155)	〃	12. 0	21. 0	〃	〃	〃	〃	6804	*
〃 2J225**	2. 2	(225)	〃	15. 5	24. 0	〃	〃	〃	〃	10044	*
〃 2J305**	3. 0	(305)	〃	17. 5	26. 5	〃	〃	〃	〃	12521	*

PA=±5% (J)
QA=±10% (K)

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



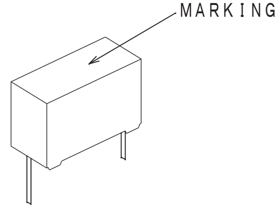
・F: regulation of the root

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 : ≧3000MΩ・μF at 500VDC, 20℃ for 60s
*Dissipation factor : ≦0. 1% at 1kHz, 20℃
*Category temperature range : From −40℃ to +110℃
(including temperature rise on unit surface)

MARKING EXAMPLE
WFG105J
2J [ ]
date code



ITEM CODE NUMBER STRUCTURE
ECWFG 2J 105 PA (630VDC, 1. 0μF, ±5%)
- PA: Capacitance tolerance (PA=±5% (J), QA=±10% (K))
- 105: Capacitance : See table (*)
- 2J: Rated voltage (2J・・630VDC)

PACKING QUANTITY

Capacitance range (μF)	Quantity (pcs.)
1. 0	350
1. 5	300
2. 2	250
3. 0	△1△2 150

QUANTITY of MINIMUM ORDER

Capacitance range (μF)	Quantity (pcs.)
1. 0	350
1. 5	300
2. 2	250
3. 0	△1△2 150

ALTERATION

ISSUE	DESCRIPTION	DATE
△1	Change: PACKING QUANTITY (305: 150→200)	Dec. 21 2020
△2	Change: PACKING QUANTITY (305: 200→150)	Feb. 9 2021
△3	Company name changed	Apr. 1 2022

SPECIFICATIONS No.

REFERENCE

DESIGN	M. MEKADA
CHECKED	H. YAMASHITA
APPROVAL	T. KATO
ESTABLISHMENT	Mar. 29. 2018

TYPE NAME ECWFG2J***PA ECWFG2J***QA
NAME Metallized Polypropylene Film Capacitor
DRAWING NAME PRODUCT DRAWING
DRAWING No. H007J-J-E (1/1)

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