

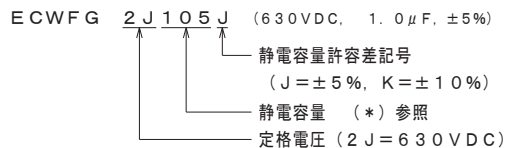
製品品番	静電容量 μF (*)	寸 法							体積 (mm ³)	備考
		L	T	H	F	d	P	Q		
ECWFG2J105 ()	1.0 (105)	31.5	9.5	18.0	27.5	1.0	0±0.8	2.0	5387	*
" 2J155 ()	1.5 (155)	"	10.5	21.0	"	"	"	"	6946	*
" 2J225 ()	2.2 (225)	"	12.0	24.5	"	"	"	"	9261	*
" 2J305 ()	3.0 (305)	"	13.5	28.5	"	"	"	"	12120	*
" 2J475 ()	4.7 (475)	"	17.5	32.5	"	"	"	"	17916	*

↑ 静電容量許容差記号 (J or K)

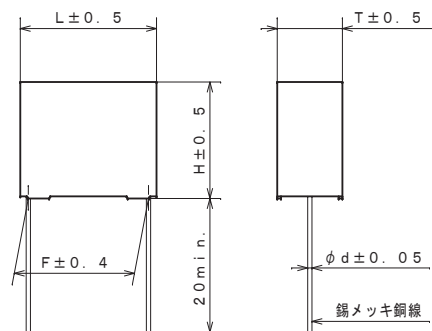
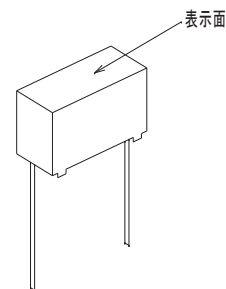
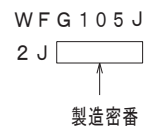
備考

* : IEC60065 (1998~) 要求事項のIEC60384-1の難燃カテゴリーBを満足するもの
(体積が1750mm³を超えるもの)

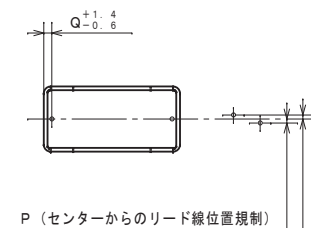
品番呼称方法



表示例



・ F寸法は、リード線根部での寸法とします。



包装数量 (1箱あたりの最大量)

容量範囲 (μF)	数量 (個)
1.0	400
1.5	300
2.2	200
3.0	150
4.7	100

最小受注数量

容量範囲 (μF)	数量 (個)
1.0	400
1.5	300
2.2	200
3.0	150
4.7	100

改正履歴表

符号	年月日	改正内容	制定者
△	2022. 4. 1	社名変更	

仕 様

使用条件	カテゴリ温度範囲	-40℃ ~ +110℃ 壁面における自己温度上昇を含む
構造一般	外装 素子構造	(難燃性ケース外装) (難燃性樹脂充填) メタライズドポリプロピレンフィルム
電 気 的 性 能	静電容量	左表参照
	定格電圧	630VDC (85℃以上は1.0%/℃の電圧軽減)
	静電容量許容差	±5% (J), ±10% (K)
	耐電圧	定格電圧×150% for 60s (但し充放電の際は2kΩ以上抵抗を通すこと。)
	絶縁抵抗	3,000MΩ・μF以上 at 20℃ - 500VDC for 60s -
	誘電正接	0.1%以下, at 1kHz, 20℃
仕様書番号	TH003JJJ	

品 名 **メタライズドPPフィルムコンデンサ**
ECWFG 630VDC

製品品番 ECWFG 2J*** ()

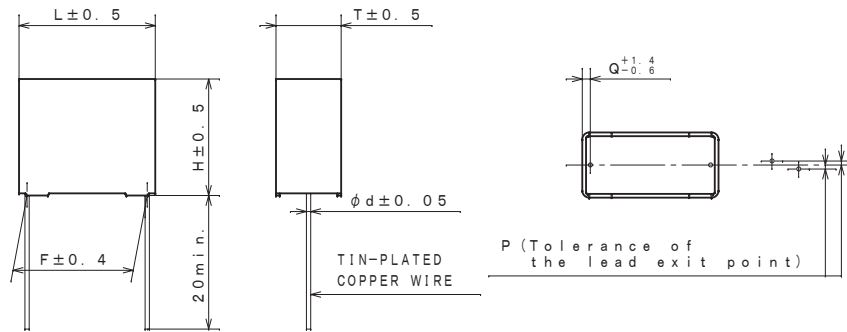
制定日 2018. 3. 29 設 計 女鹿田 参 考 管 理 吉 田 定 加 藤
図 名 **製品図** 図 番 H004JJ

ITEM CODE	CAPACITANCE		DIMENSIONS							VOLUME (mm ³)	Note
	μF	(*)	L	T	H	F	d	P	Q		
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	*

P1=±5% (J)
Q1=±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

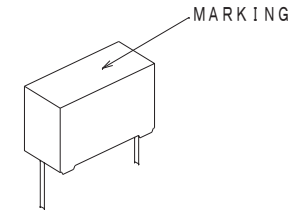
Marking comprises capacitance, capacitance tolerance, rated voltage and date code.

PROPERTIES

- *Capacitance : See table at 1kHz.
- *Capacitance tolerance : ±5% (J), ±10% (K) at 1kHz.
- *Rated voltage : 630VDC
(Derating of rated voltage by 1.0%/°C at more than 85°C)
- *Withstand voltage (terminal-terminal) : 630VDC x 150% for 60s
- *Insulation resistance : ≥3000MΩ·μF at 500VDC, 20°C for 60s
- *Dissipation factor : ≤0.1% at 1kHz, 20°C
- *Category temperature range : From -40°C to +110°C
(including temperature rise on unit surface)

MARKING EXAMPLE

WFG 105 J
2 J
↑
date code



ITEM CODE NUMBER STRUCTURE

ECWFG 2J 105 P1 (630VDC, 1.0μF, ±5%)
 ↑ ↑ ↑
 Capacitance tolerance (P1=±5% (J), Q1=±10% (K))
 Capacitance : See table (*)
 Rated voltage (2J...630VDC)

PACKING QUANTITY

Capacitance range (μF)	Quantity (pcs.)
1.0	400
1.5	300
2.2	200
3.0	150

QUANTITY of MINIMUM ORDER

Capacitance range (μF)	Quantity (pcs.)
1.0	400
1.5	300
2.2	200
3.0	150

ALTERATION

ISSUE	DESCRIPTION	DATE
△	Company name changed	Apr. 1 2022

SPECIFICATIONS No.

DESIGN	M. MEKADA
CHECKED	T. KATO
APPROVAL	T. KATO
ESTABLISHMENT	Mar. 29, 2018
TYPE NAME	
ECWFG2J***P1	
ECWFG2J***Q1	
NAME Metallized Polypropylene Film Capacitor	
DRAWING NAME	
PRODUCT DRAWING	
DRAWING No.	
H006J-J-E (1/1)	

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