Taiwan Chinsan Electronic Ind., Co., Ltd.
Address: No.1, Alley 11, Lane 68, Sec.1, KwangFu Rd., SanChung Dist., New Taipei City 24158, Taiwan
TEL: +886 2 2995 0535 http://www.chinsan.com/products/

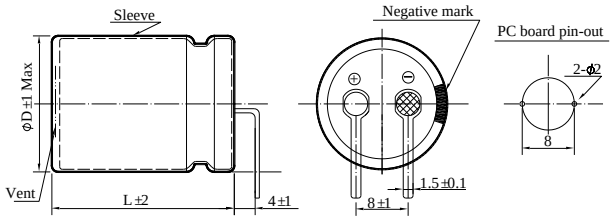
PX Series

- **Load life: 105℃ 2,000 hours horizontal mounting**
- **Suitable for flat equipment design**

◆ SPECIFICATIONS

Item	Performance Characteristics
Category Temperature Range	-25 ~ +105℃
Working Voltage Range	160 ~ 450Vdc
Capacitance Range	68 ~ 1,500 μF
Capacitance Tolerance	±20% (at 25℃ and 120Hz)
Dissipation Factor (tanδ) (at 25℃, 120Hz)	Rated Voltage (V): 160 / 200 / 250 / 400 / 450 tanδ(Max): 0.15 / 0.15 / 0.15 / 0.15 / 0.15 The above value should be increased by 0.02 for every additional 1000μF
Leakage Current	I=0.02CV or 3000μA,whichever is smaller I : Leakage current (μA) C : Rated capacitance (μF) V : Rated voltage (V) Impress the rated voltage for 5 minutes
Low Temperature Characteristics Impedance Ratio(MAX)	Rated voltage (V): 160 ~ 250 / 400 / 450 Z(-25℃)/Z(+20℃): 4 / 4 / 8 (at 120Hz)
Endurance	The following specifications shall be satisfied when the capacitors are restored to 25℃ after subjected to DC voltage with the rated ripple current is applied for 2,000 hours at 105℃. Capacitance change: ≦ ±20% of the initial value Dissipation factor(tanδ): ≦ 200% of the specified value Leakage current: ≦ Not more than the specified value
Shelf Life	The following requirements shall be satisfied when the capacitor are restored to 25℃ after exposing them for 1,000 hours at 105℃ without voltage applied. Capacitance change: ≦ ±20% of the initial value Dissipation factor(tanδ): ≦ 200% of the specified value Leakage current: ≦ Not more than the specified value
Others	Conforms to JIS-C-5101-4 (1998), characteristic W

◆ DIMENSIONS (mm)



◆ PART NUMBER SYSTEM(Example : 200V 820μF)

P	X	2	D	8	2	1	M	R	N	2	2	6	0						

- Special Request
- Size code(2260 : 22×60)
- Terminal length code
- Lead forming Type code
- Capacitance tolerance code(M: ±20%)
- Capacitance code (820μF)
- Voltage code (200V)
- Series code (PX)

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Aluminum Electrolytic Capacitor

Customer	Digi-Key	SERIES	PX	NO.:	PUBLISH DATE	2022-03-25

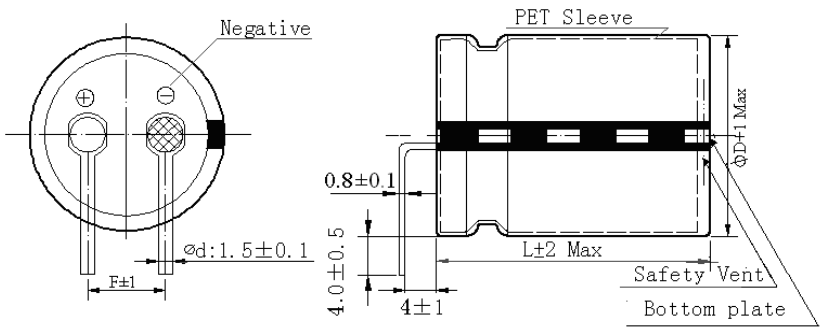

FIG-1

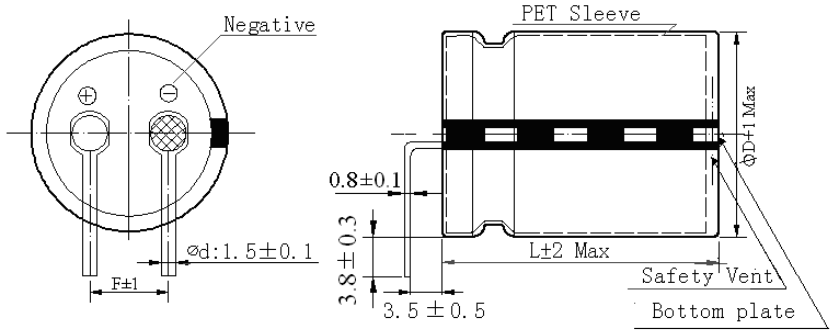

FIG-2

No.	CHINSAN Part No.	Customer Part No.	Capacitance (uF)	Tolerance On rated Capacitance (%)	Working Voltage (Vdc)	Surge Voltage (Vdc)	Category Temp Range (℃)	Tanδ @ 25℃ (120Hz) (Max)	Leakage Current (uA) (2 min.)	Rated Ripple Current (mA rms) @ 105℃ 120Hz	Rated Ripple Current (mA rms) @105℃ 100kHz	ESR @25℃ (mΩ max/ 120Hz)	Impedance @20℃ (mΩ max/ 100kHz)	Endurance @ 105℃ (Hours)	Dimensions (mm)					Appearance Drawing No
															D Φ	L	a	d	F	
1	PX2W101MRD2225	/	100 μF	±20%	450 V	/	-25~+105	/	/	599	/	/	/	2000	22	25	/	/	8	FIG-1
2	PX2W271MRD2540	/	270 μF	±20%	450 V	/	-25~+105	/	/	1183	/	/	/	2000	25	40	/	/	8	FIG-1
3	PX2W331MRD2545	/	330 μF	±20%	450 V	/	-25~+105	/	/	1520	/	/	/	2000	25	45	/	/	8	FIG-1
4	PX2W471MRD3045	/	470 μF	±20%	450 V	/	-25~+105	/	/	1850	/	/	/	2000	30	45	/	/	8	FIG-1
5	PX2W331M7T2260	/	330 μF	±20%	450 V	/	-25~+105	/	/	1430	/	/	470	2000	22	60	/	/	8	FIG-2

※Test leakage current before testing dissipation factor and capacitance during the electric characteristic test.

REMARKS:	APPROVED BY	CHECKED BY	PREPARED BY
Sleeve Color: Black.	张洪斌	曾爱娥	梁慧妍

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Aluminum Electrolytic Capacitor

Customer	Digi-Key	SERIES	PX	NO.:	PUBLISH DATE	2022-03-25

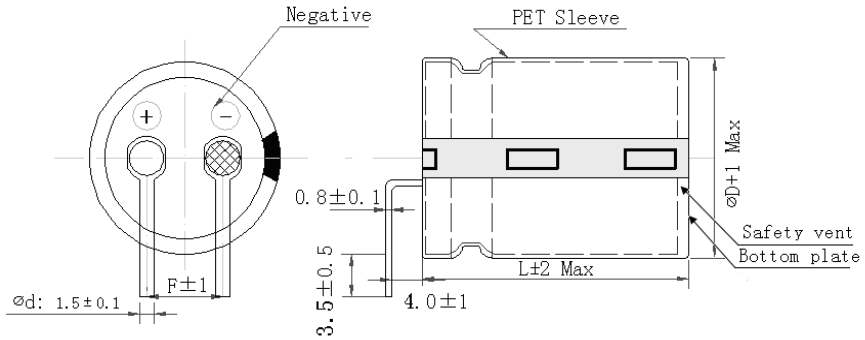

FIG-1

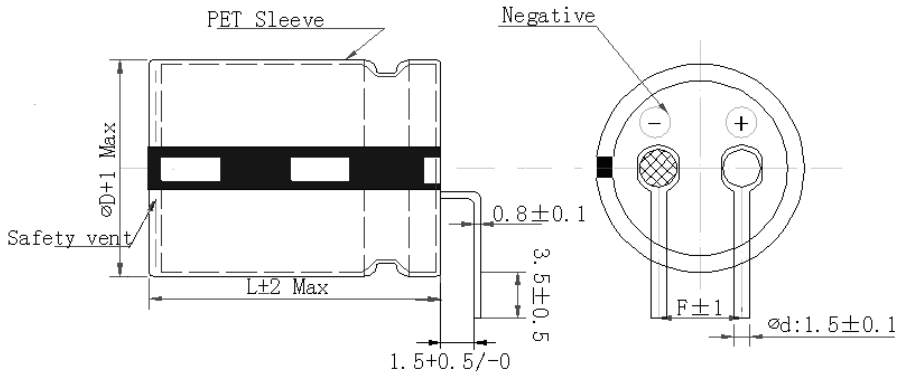

FIG-2

No.	CHINSAN Part No.	Customer Part No.	Capacitance (uF)	Tolerance On rated Capacitance (%)	Working Voltage (Vdc)	Surge Voltage (Vdc)	Category Temp Range (℃)	Tanδ @ 25℃ (120Hz) (Max)	Leakage Current (uA) (2 min.)	Rated Ripple Current (mA rms) @ 105℃ 120Hz	Rated Ripple Current (mA rms) @105℃ 100kHz	ESR @25℃ (mΩ max/ 120Hz)	Impedance @20℃ (mΩ max/ 100kHz)	Endurance @ 105℃ (Hours)	Dimensions (mm)					Appearance Drawing No
															D Φ	L	a	d	F	
1	PX2W561MR33050R	/	560 μF	±20%	450 V	/	-25~+105	/	/	1600	/	/	/	2000	30	50	/	/	8	FIG-1
2	PX2W681ME33050Y	/	680 μF	±20%	450 V	/	-25~+105	/	/	2130	/	/	/	2000	30	50	/	/	8	FIG-2

※Test leakage current before testing dissipation factor and capacitance during the electric characteristic test.

REMARKS:	APPROVED BY	CHECKED BY	PREPARED BY
Sleeve Color: Black. Suffix Y represents assembly without gasket.	张洪斌	曾爱娥	梁慧妍