

NEW!

FXW2 Series

Useful of 4,000 hours at 85°C

- Conform RoHS

Features

- Capacitance is increased by around 30%, from conventional FXW series through development of etched foil technology.

FXW
P.74

→
Small-size

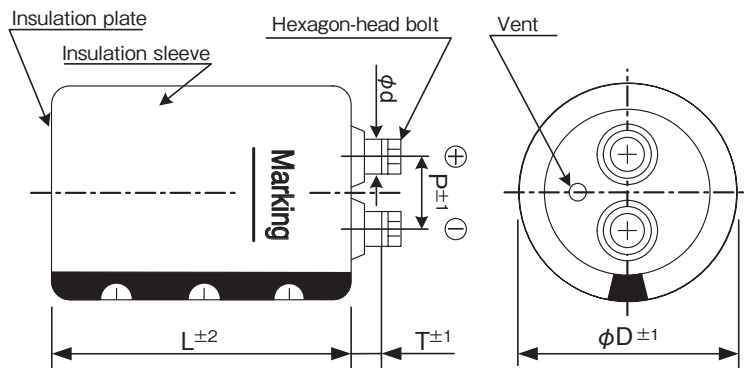
FXW2



Product Specifications

Items	Specifications
Temperature range	-10°C ~ +85°C
Rated voltage	400V.DC
Capacitance tolerance	±20% (20°C, 120Hz)
Leakage current	0.01CV (µA) or 7mA, whichever is smaller or less (20°C, after 5 minutes) [C = nominal capacitance (µF), V = rated voltage (V)]
Dissipation factor	Less than the value specified in the standard products table. (20°C, 120Hz)
Permissible ripple current	As specified in the standard products table. (85°C, 120Hz)
Endurance	After the rated voltage with specified ripple current is applied at 85°C for 5,000 hours: Capacitance change : Within ±15% of the initial value measured Dissipation factor : 175% or less than the initial value specified Leakage current : Less than or equal to the initial value specified
Shelf life	The following specification shall be meet when the capacitor are restored to 20°C after storage of 500 hours at 85°C with no voltage applied. Before the measurement, the capacitor shall be preconditioned by applying the voltage treatment according to Item 4.1 of JIS C 5101-4. Capacitance change : Within ±15% of the initial value measured Dissipation factor : 175% or less than the initial value specified Leakage current : Less than or equal to the initial value specified
Others	JIS C 5101-4

Dimensions



(unit : mm)

φD	P	T	φd	Hexagon-head bolt	Cap material
77	31.5	9.0	12.0	M6×12	Phenol resin
90	31.5	8.0	12.0	M6×12	Phenol resin

Ripple current correction coefficient

Temperature (°C)	40	60	70	85
Correction coefficient	2.2	1.9	1.6	1.0
Frequency (Hz)	120	300	1k	≥10k
Correction coefficient	1.0	1.1	1.3	1.4

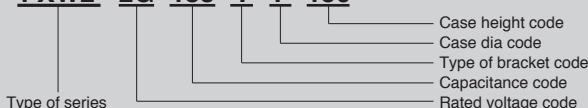
Terminal permissible currents : 100Arms for M6.

Please use this type of capacitor at a terminal current below the permissible.

Product code

(Example) FXW2 Series 400V 18,000 µF ±20%

FXW2 2G 183 Y F 150



Refer to page 19 for product code.

Bracket

- Refer to page 20-21 for shapes and dimensions.
- Product names in the Standard Products Table correspond to the bracket for Type Y, but Type I bracket may be used (Type of bracket code = I).
- If bracket are not necessary, enter "N" for the type of bracket code.
- Bracket will be delivered separately.

Standard Products Table

Rated Voltage (V. DC)	Capacitance (μF)	Case size $\phi D \times L$ (mm)	$\tan\delta$ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	ESR(typ.) (m Ω) 20°C, 100Hz	Z max (m Ω) 20°C, 10kHz	ESL(typ.) (nH)	Product name
400	13,000	77×148	0.70	13.0	26	27	24	FXW22G133YE148
	17,000	77×188	0.70	16.0	20	21	24	FXW22G173YE188
	18,000	90×150	0.70	16.4	19	20	24	FXW22G183YF150
	21,000	77×228	0.70	19.3	17	18	24	FXW22G213YE228
	24,000	90×190	0.70	20.2	15	16	24	FXW22G243YF190
	30,000	90×230	0.70	24.3	12	13	24	FXW22G303YF230

ALUMINUM ELECTROLYTIC CAPACITORS

Life time graph

Useful life depending on ambient temperature T_a and ripple current operating condition I versus rated ripple current at 85°C, 120Hz

