

SCREW TERMINAL TYPE ALUMINUM ELECTROLYTIC CAPACITORS

FXA Series

Useful of 8,000 hours at 85°C (Warranty of 5,000 hours at 85°C)

Features

- Long-life and high-ripple series for inverter realized through adoption of high-reliability organic acid type electrolyte liquid and improvement of etched foil technology for high voltage and manufacturing process.



Product Specifications

Items	Specifications
Temperature range	-40°C ~ +85°C
Capacitance tolerance	±20% (20°C, 120Hz)
Rated voltage	350 ~ 450V.DC
Leakage current	0.01CV (µA) or 5mA, whichever is smaller or less [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)
High-temperature load	After the rated voltage with specified ripple current is applied at 85°C for 5000 hours: Capacitance tolerance: ±15% or less of the initial value Dissipation factor: 175% or less of the specified initial value Leakage current: Specified initial value or less
Others	JIS C 5101-4.

Ripple current correction coefficient

Temperature (°C)	40	60	85		
Correction coefficient	1.89	1.67	1.00		
Frequency (Hz)	50/60	120	300	1K	10K
Correction coefficient	0.7	1.0	1.1	1.3	1.4

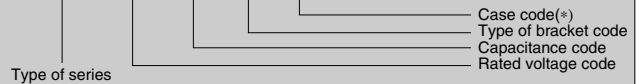
Ripple current should be under 60 Arms at M5 terminal in accordance with from the permissible current.

Standard value and case size

Rated Voltage V. DC	Capacitance (µF)	Case size øDXL(mm)	Case code	tanδ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	Product name
350V(2V)	1200	51·75	C8R	0.15	5.5	FXA2V122Y
	1500	51·75	C8R	0.15	6.1	FXA2V152Y
	1800	51·96	C10R	0.15	7.4	FXA2V182Y
	2200	51·96	C10R	0.15	8.2	FXA2V222Y
	2700	51·130	C13R	0.15	10.2	FXA2V272Y
	3300	51·130	C13R	0.15	11.3	FXA2V332Y
	3900	64·115	D12R	0.15	12.8	FXA2V392Y
	4700	64·130	D13R	0.15	14.8	FXA2V472Y
	5600	64·155	D16R	0.15	17.3	FXA2V562YD
		77·115	E12R	0.15	16.3	FXA2V562YE
	6800	64·195	D20R	0.15	21.1	FXA2V682YD
		77·130	E13R	0.15	18.8	FXA2V682YE
	8200	77·155	E16R	0.15	22.1	FXA2V822Y
	10000	90·157	F16R	0.15	25.9	FXA2V103Y
	12000	90·157	F16R	0.15	28.4	FXA2V123Y
	15000	90·196	F20R	0.15	34.6	FXA2V153Y
18000	90·236	F24R	0.15	41.1	FXA2V183Y	

Product symbol : (Example) FXA Series 400V 4,700µF±20%

FXA 2G 472 Y (D)



* () Case code in parentheses : If two types of shape exist for the same rating, enter the first English letter of case code.

Attachment of legs

- See page 49 for shapes and dimensions.
- Product names in the Standard Units Rating Table correspond to the attachment legs for Type Y (Type I for ø36 only), but Type I attachment legs may be used (Shape Code = I).
- If attachment legs are not necessary, enter "N" for the attachment leg shape code.
- Attachment legs will be delivered separately.

Rated Voltage V. DC	Capacitance (µF)	Case size øDXL(mm)	Case code	tanδ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	Product name
400V(2G)	1000	51·75	C8R	0.15	5.0	FXA2G102Y
	1200	51·75	C8R	0.15	5.5	FXA2G122Y
	1500	51·96	C10R	0.15	6.7	FXA2G152Y
	1800	51·96	C10R	0.15	7.4	FXA2G182Y
	2200	51·130	C13R	0.15	9.2	FXA2G222Y
	2700	64·96	D10R	0.15	9.9	FXA2G272Y
	3300	64·115	D12R	0.15	11.8	FXA2G332Y
	3900	64·130	D13R	0.15	13.5	FXA2G392Y
	4700	64·155	D16R	0.15	15.9	FXA2G472YD
		77·115	E12R	0.15	14.9	FXA2G472YE
	5600	64·195	D20R	0.15	19.1	FXA2G562YD
		77·130	E13R	0.15	17.0	FXA2G562YE
	6800	77·155	E16R	0.15	20.2	FXA2G682Y
	8200	90·157	F16R	0.15	23.5	FXA2G822Y
	10000	90·157	F16R	0.15	25.9	FXA2G103Y
	12000	90·196	F20R	0.15	31.0	FXA2G123Y
15000	90·236	F24R	0.15	37.5	FXA2G153Y	

Rated Voltage V. DC	Capacitance (µF)	Case size øDXL(mm)	Case code	tanδ 20°C, 120Hz	Ripple current (Arms) 85°C, 120Hz	Product name
450V(2W)	1000	51·75	C8R	0.15	5.0	FXA2W102Y
	1200	51·96	C10R	0.15	6.0	FXA2W122Y
	1500	51·115	C12R	0.15	7.2	FXA2W152Y
	1800	51·130	C13R	0.15	8.3	FXA2W182Y
	2200	64·96	D10R	0.15	9.0	FXA2W222Y
	2700	64·115	D12R	0.15	10.7	FXA2W272Y
	3300	64·130	D13R	0.15	12.4	FXA2W332Y
	3900	64·155	D16R	0.15	14.5	FXA2W392YD
		77·115	E12R	0.15	13.6	FXA2W392YE
	4700	64·195	D20R	0.15	17.5	FXA2W472YD
		77·130	E13R	0.15	15.6	FXA2W472YE
	5600	77·155	E16R	0.15	18.3	FXA2W562Y
	6800	90·157	F16R	0.15	21.4	FXA2W682Y
	8200	90·157	F16R	0.15	23.5	FXA2W822Y
	10000	90·196	F20R	0.15	28.3	FXA2W103Y
	12000	90·236	F24R	0.15	33.6	FXA2W123Y