

LXA Series

Useful of 8,000 hours at 105°C (Warranty of 5,000 hours at 105°C)

Features

- Leading product with heat resistance and long life at 105°C to meet the requirement for high temperature and long life in the inverter circuit.



Product Specifications

Items	Specifications
Temperature range	-40°C ~ +105°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. (105°C,120Hz)
High-temperature load	After the rated voltage with specified ripple current is applied at 105°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	105	
Correction coefficient	2.44	2.16	2.00	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.

Product code : (Example) LXA type 400V 10,000μF±20%

**LXA 2G 103 Y ( )**



\*( ) 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 10 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.

Standard value and case size

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 105°C,120Hz	Product name
350V(2V)	1000	51×75	C8R	0.15	3.9	LXA 2V102Y
	1200	51×75	C8R	0.15	4.2	LXA 2V122Y
	1500	51×96	C10R	0.15	5.2	LXA 2V152Y
	1800	51×96	C10R	0.15	5.7	LXA 2V182Y
	2200	51×130	C13R	0.15	7.1	LXA 2V222Y
	2700	64×96	D10R	0.15	7.7	LXA 2V272Y
	3300	64×115	D12R	0.15	9.1	LXA 2V332Y
	3900	64×130	D13R	0.15	10.4	LXA 2V392Y
	4700	64×155	D16R	0.15	12.2	LXA 2V472YD
		77×115	E12R	0.15	11.5	LXA 2V472YE
	5600	64×195	D20R	0.15	14.6	LXA 2V562YD
		77×130	E13R	0.15	13.1	LXA 2V562YE
	6800	77×155	E16R	0.15	15.5	LXA 2V682Y
	8200	90×157	F16R	0.15	18.1	LXA 2V822Y
	10000	90×157	F16R	0.15	19.9	LXA 2V103Y
12000	90×196	F20R	0.15	23.8	LXA 2V123Y	
15000	90×236	F24R	0.15	28.8	LXA 2V153Y	

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 105°C,120Hz	Product name
400V(2G)	1000	51×75	C8R	0.15	3.9	LXA 2G102Y
	1200	51×96	C10R	0.15	4.6	LXA 2G122Y
	1500	51×115	C12R	0.15	5.6	LXA 2G152Y
	1800	51×130	C13R	0.15	6.4	LXA 2G182Y
	2200	64×96	D10R	0.15	6.9	LXA 2G222Y
	2700	64×115	D12R	0.15	8.2	LXA 2G272Y
	3300	64×130	D13R	0.15	9.5	LXA 2G332Y
	3900	64×155	D16R	0.15	11.1	LXA 2G392YD
		77×115	E12R	0.15	10.4	LXA 2G392YE
	4700	64×195	D20R	0.15	13.4	LXA 2G472YD
		77×130	E13R	0.15	12.0	LXA 2G472YE
	5600	64×195	D20R	0.15	14.6	LXA 2G562YD
		77×155	E16R	0.15	14.0	LXA 2G562YE
	6800	90×157	F16R	0.15	16.5	LXA 2G682Y
	8200	90×157	F16R	0.15	18.1	LXA 2G822Y
10000	90×196	F20R	0.15	21.7	LXA 2G103Y	
12000	90×236	F24R	0.15	25.8	LXA 2G123Y	

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 105°C,120Hz	Product name
450V(2W)	1000	51×96	C10R	0.15	4.2	LXA 2W102Y
	1200	51×115	C12R	0.15	5.0	LXA 2W122Y
	1500	51×130	C13R	0.15	5.9	LXA 2W152Y
	1800	64×96	D10R	0.15	6.3	LXA 2W182Y
	2200	64×115	D12R	0.15	7.4	LXA 2W222Y
	2700	64×130	D13R	0.15	8.6	LXA 2W272YD
		77×115	E12R	0.15	8.7	LXA 2W272YE
	3300	64×155	D16R	0.15	10.2	LXA 2W332YD
		77×130	E13R	0.15	10.1	LXA 2W332YE
	3900	64×195	D20R	0.15	12.3	LXA 2W392Y
	4700	77×155	E16R	0.15	12.9	LXA 2W472Y
	5600	77×195	E20R	0.15	15.4	LXA 2W562YE
		90×157	F16R	0.15	14.9	LXA 2W562YF
	6800	90×196	F20R	0.15	18.0	LXA 2W682Y
	8200	90×196	F20R	0.15	19.8	LXA 2W822Y
10000	90×236	F24R	0.15	23.6	LXA 2W103Y	

