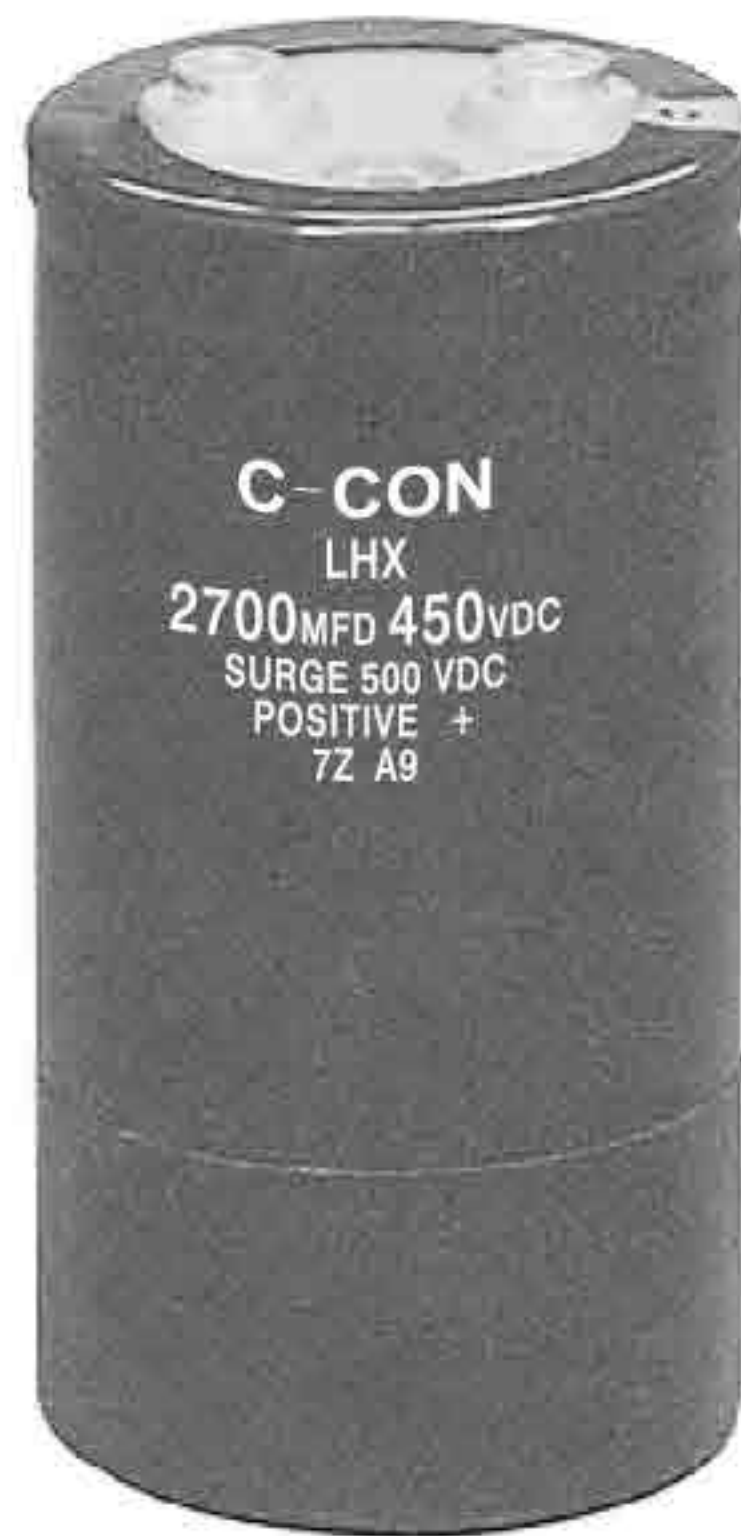


LHX Series

Useful of 20,000 hours at 85°C (Warranty of 20,000 hours at 85°C)

Features

- High-reliability series with the warranty of 20,000 hours realized through improvement of the LFX type into a longer-life type



Standard value and case size

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tan δ 20°C,120Hz	Ripple current (Arms) 85°C,120Hz	Product name
350V(2V)	1000	51×75	C8R	0.15	3.8	LHX2V102Y
	1200	51×75	C8R	0.15	4.2	LHX2V122Y
	1500	51×96	C10R	0.15	5.2	LHX2V152Y
	1800	51×96	C10R	0.15	5.6	LHX2V182Y
	2200	51×130	C13R	0.15	7.1	LHX2V222Y
	2700	64×96	D10R	0.15	7.6	LHX2V272Y
	3300	64×115	D12R	0.15	9.0	LHX2V332Y
	3900	64×130	D13R	0.15	10.3	LHX2V392Y
	4700	64×155	D16R	0.15	12.2	LHX2V472YD
		77×115	E12R	0.15	11.5	LHX2V472YE
	5600	64×195	D20R	0.15	14.6	LHX2V562YD
		77×130	E13R	0.15	13.1	LHX2V562YE
	6800	77×155	E16R	0.15	15.5	LHX2V682Y
	8200	90×157	F16R	0.15	18.1	LHX2V822Y
	10000	90×157	F16R	0.15	19.9	LHX2V103Y
12000	90×196	F20R	0.15	23.8	LHX2V123Y	
15000	90×236	F24R	0.15	28.8	LHX2V153Y	

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tan δ 20°C,120Hz	Ripple current (Arms) 85°C,120Hz	Product name
400V(2G)	1000	51×75	C8R	0.15	3.8	LHX2G102Y
	1200	51×96	C10R	0.15	4.6	LHX2G122Y
	1500	51×115	C12R	0.15	5.5	LHX2G152Y
	1800	51×130	C13R	0.15	6.4	LHX2G182Y
	2200	64×96	D10R	0.15	6.9	LHX2G222Y
	2700	64×115	D12R	0.15	8.2	LHX2G272Y
	3300	64×130	D13R	0.15	9.5	LHX2G332Y
	3900	64×155	D16R	0.15	11.1	LHX2G392YD
		77×115	E12R	0.15	10.4	LHX2G392YE
	4700	64×195	D20R	0.15	13.4	LHX2G472YD
		77×130	E13R	0.15	12.0	LHX2G472YE
	5600	64×195	D20R	0.15	14.6	LHX2G562YD
		77×155	E16R	0.15	14.4	LHX2G562YE
	6800	90×157	F16R	0.15	16.5	LHX2G682Y
	8200	90×157	F16R	0.15	18.1	LHX2G822Y
	10000	90×196	F20R	0.15	21.7	LHX2G103Y
	12000	90×236	F24R	0.15	25.8	LHX2G123Y

Product Specifications

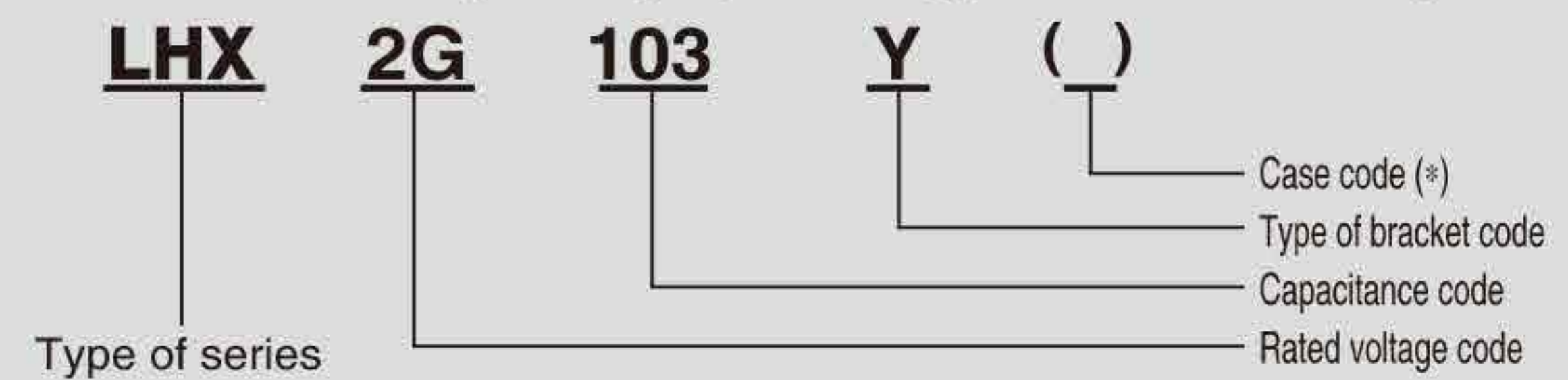
Items	Specifications
Temperature range	-40°C ~ +85°C
Capacitance tolerance	±20% (20°C,120Hz)
Rated voltage	350 ~ 450V.DC
Leakage current	0.01CV (μA) or 5mA, whichever is smaller or less [C = nominal capacitance (μF), V = rated voltage (V)]
Dissipation factor	Less than the value specified in the standard 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 20,000 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

Ambient temperature (°C)	40	60	85		
Correction coefficient	2.44	2.16	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) LHX type 400V 10,000μF±20%



*() 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.

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tan δ 20°C,120Hz	Ripple current (Arms) 85°C,120Hz	Product name
450V(2W)	1000	51×96	C10R	0.15	4.2	LHX2W102Y
	1200	51×115	C12R	0.15	5.0	LHX2W122Y
	1500	51×130	C13R	0.15	5.8	LHX2W152Y
	1800	64×96	D10R	0.15	6.2	LHX2W182Y
	2200	64×115	D12R	0.15	7.4	LHX2W222Y
	2700	64×130	D13R	0.15	8.6	LHX2W272YD
		77×115	E12R	0.15	8.7	LHX2W272YE
	3300	64×155	D16R	0.15	10.2	LHX2W332YD
		77×130	E13R	0.15	10.0	LHX2W332YE
	3900	64×195	D20R	0.15	12.2	LHX2W392Y
	4700	77×155	E16R	0.15	12.9	LHX2W472Y
	5600	77×195	E20R	0.15	15.4	LHX2W562YE
		90×157	F16R	0.15	14.9	LHX2W562YF
	6800	90×196	F20R	0.15	18.0	LHX2W682Y
	8200	90×196	F20R	0.15	19.8	LHX2W822Y
	10000	90×236	F24R	0.15	23.5	LHX2W103Y