MINIATURE ALUMINUM ELECTROLYTIC CAPACITORS

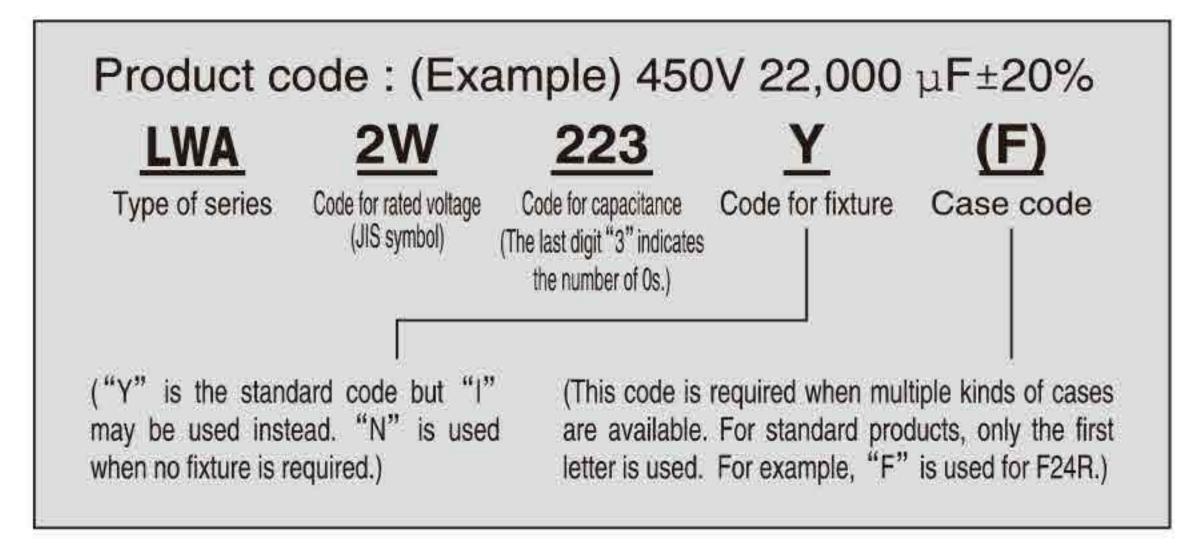
LWA Series

Useful of 4,000 hours at 85 °C (Warranty of 2,000 hours at 85 °C)

Features

- Product primarily designed for circuits requiring large energy momentarily like those for the uninterruptible power supply (LQ) and X-ray power supply
- Capacitance improved by 40%, comparison with the L6A model (smallest model)





*() 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	tan∂ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
350V(2V)	13000	77×155	E16R	0.70	20.7	LWA2V133Y
	17000	90×157	F16R	0.70	25.4	LWA2V173Y
	18000	77×195	E20R	0.70	26.8	LWA2V183Y
	22000	77×235	E24R	0.70	32.1	LWA2V223Y
	24000	101×175	G18R	0.70	33.8	LWA2V243Y
	25000	90×196	F20R	0.70	33.6	LWA2V253Y
	31000	90×236	F24R	0.70	40.4	LWA2V313YF
	31000	101×195	G20R	0.70	38.1	LWA2V313YG
	39000	101×237	G24R	0.70	46.2	LWA2V393Y

Rated Voltage V. DC	Capacitance (µF)	Case size øDXL(mm)	Case code	tan∂ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
450V(2W)	9500	77×155	E16R	0.70	17.9	LWA2W952Y
	12000	77×195	E20R	0.70	22.1	LWA2W123Y
3	13000	90×157	F16R	0.70	21.0	LWA2W133Y
	15000	77×235	E24R	0.70	27.3	LWA2W153Y
	17000	90×196	F20R	0.70	27.9	LWA2W173Y
	18000	101×175	G18R	0.70	27.9	LWA2W183Y
	22000	90×236	F24R	0.70	34.3	LWA2W223YF
	22000	101×195	G20R	0.70	32.2	LWA2W223YG
	27000	101×237	G24R	0.70	38.4	LWA2W273Y

Product Specifications

Item	Specifications					
Temperature range	–10°C ~ +85°C					
Rated current	350 ~ 500V.DC					
Capacitance tolerance	±20% (20℃,120Hz)					
Leakage current	This current must be less than or ed (I: Leakage current, C: µF), V: Rated	ual to a smaller value of I=0.01CV and 7 d voltage (VDC)	mA (20°C, 5 minutes).			
Dissipation factor	Must be less than or ed	qual to 0.70 (20℃, 120Hz)				
Withstand voltage	No abnormality must be found when 2,000 VDC is applied between the terminal block and the mount fixture (to be attached to the case which has been coated doubly with an armored sleeve).					
Load at high	The requirements shown in the following table must be met under conditions that allowable ripple currents are superposed at 85°C within a range not exceeding a rated voltage, voltage is applied for 2,000 hours, then the temperature is lowered again to 20°C.					
temperature	Characteristic	Requirements				
	Rate of change Dissipation factor value Leakage current	Within ±15% of the initial value Within 175% of the initial standard Within the initial standard value				
			NO NEGOTI CAMA			
No load at high temperature	met under conditions that the capacitor is left at 85 C for 500 hours with no voltage applied.					
Related standard	JIS C 5101-4					

Ripple current correction coefficient

Ambient temperature (°C)	40	60	70	85
Correction coefficient	1.0	0.75	0.62	0.37
Frequency (Hz)	120	300	1k	10K≦
Correction coefficient	1.0	1.1	1.3	1.4

* When using this capacitor at a frequency below 120 Hz, contact us in advance.

Rated Voltage V. DC	Capacitance (µF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
400V(2G)	11000	77×155	E16R	0.70	19.2	LWA2G113Y
	14000	77×195	E20R	0.70	23.9	LWA2G143Y
	16000	77×235	E24R	0.70	28.0	LWA2G163YE
	16000	90×157	F16R	0.70	24.8	LWA2G163YF
	20000	90×196	F20R	0.70	30.3	LWA2G203Y
	22000	101×175	G18R	0.70	30.8	LWA2G223Y
	25000	90×236	F24R	0.70	36.6	LWA2G253YF
	23000	101×195	G20R	0.70	34.5	LWA2G253YG
	32000	101×237	G24R	0.70	41.8	LWA2G323Y

Rated Voltage V. DC	Capacitance (µF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
500V(2H)	5600	77×155	E16R	0.70	13.7	LWA2H562Y
	8200	77×195	E20R	0.70	18.2	LWA2H822YE
		90×157	F16R	0.70	17.7	LWA2H822YF
	9500	77×235	E24R	0.70	21.7	LWA2H952Y
	11000	90×196	F20R	0.70	22.4	LWA2H113Y
	12000	101×175	G18R	0.70	22.7	LWA2H123Y
	14000	90×236	F24R	0.70	27.4	LWA2H143YF
	14000	101×195	G20R	0.70	25.6	LWA2H143YG
	16000	101×237	G24R	0.70	29.6	LWA2H163Y