

L5A Series

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

Features

- Standard products that have been used for many years.



Product Specifications

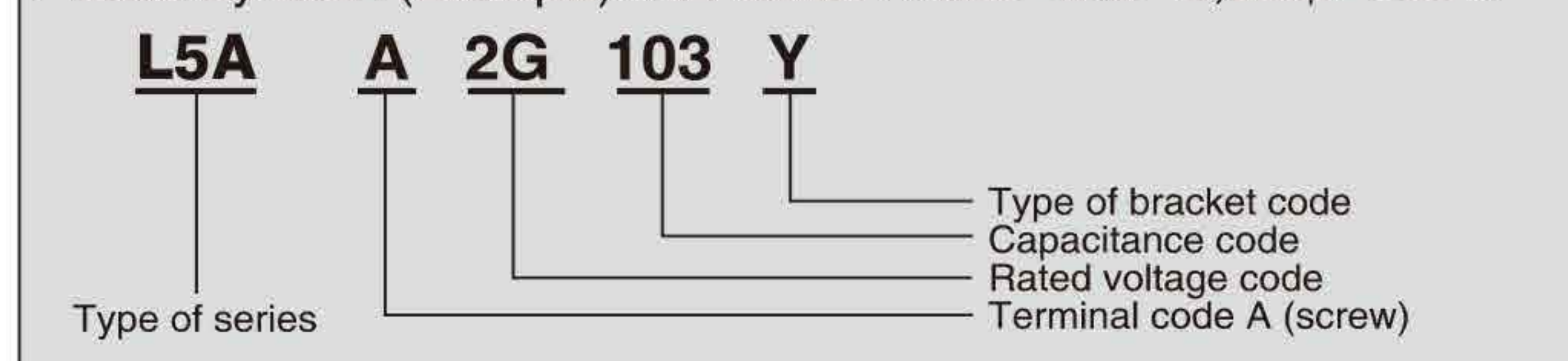
Items	Specifications
Temperature range	-25°C ~ +85°C
Capacitance tolerance	±20% (20°C, 120Hz)
Rated voltage	160 ~ 450V.DC
Leakage current	0.01CV (μA) or 5mA, whichever is smaller or less [C = nominal capacitance (μF), V = rated voltage (V)]
Dissipation factor	Less than the value specified in the standard products table. (20°C, 120Hz)
Permissible ripple current	As specified in the standard products table. (40°C, 120Hz)
High-temperature load	After the rated voltage with specified ripple current is applied at 85°C for 2000 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	70	85	
Correction coefficient	1.0	0.75	0.62	0.37	
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 60Arms at M5 terminal in accordance with from the permissible current.

Product symbol : (Example) L5A Series A case 400V 10,000μF ±20%



Standard value and case size

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
160V(2C)	3300	36×121	A12	0.25	14.0	L5A2C332I
	3900	51×75	C8R	0.25	14.4	L5A2C392Y
	4700	51×75	C8R	0.25	15.8	L5A2C472Y
	5600	51×96	C10R	0.25	19.0	L5A2C562Y
	6800	51×96	C10R	0.25	21.0	L5A2C682Y
	8200	51×115	C12R	0.25	24.7	L5A2C822Y
	10000	64×96	D10R	0.25	28.0	L5A2C103Y
	12000	64×96	D10R	0.25	30.6	L5A2C123Y
	15000	64×130	D13R	0.25	38.6	L5A2C153Y
	18000	64×130	D13R	0.25	42.2	L5A2C183Y
	22000	77×130	E13R	0.25	49.4	L5A2C223Y
	27000	77×130	E13R	0.25	54.7	L5A2C273Y
33000	90×131	F13R	0.25	64.2	L5A2C333Y	
39000	90×157	F16R	0.25	75.3	L5A2C393Y	

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	tanδ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
200V(2D)	2200	36×100	A10	0.25	10.6	L5A2D222I
	2700	36×121	A12	0.25	12.7	L5A2D272I
	3300	51×75	C8R	0.25	13.3	L5A2D332Y
	3900	51×75	C8R	0.25	14.4	L5A2D392Y
	4700	51×96	C10R	0.25	17.4	L5A2D472Y
	5600	51×115	C12R	0.25	20.4	L5A2D562Y
	6800	51×130	C13R	0.25	23.7	L5A2D682Y
	8200	64×96	D10R	0.25	25.4	L5A2D822Y
	10000	64×96	D10R	0.25	28.0	L5A2D103Y
	12000	77×96	E10R	0.25	32.6	L5A2D123Y
	15000	77×96	E10R	0.25	39.0	L5A2D153Y
	18000	77×130	E13R	0.25	44.6	L5A2D183Y
	22000	77×155	E16R	0.25	53.0	L5A2D223Y
	27000	90×131	F13R	0.25	58.2	L5A2D273Y
33000	90×157	F16R	0.25	69.0	L5A2D333Y	

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tanδ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
250V(2E)	1500	36×100	A10	0.25	8.7	L5A2E152I
	1800	36×100	A10	0.25	9.5	L5A2E182I
	2200	51×75	C8R	0.25	10.8	L5A2E222Y
	2700	51×75	C8R	0.25	12.0	L5A2E272Y
	3300	51×96	C10R	0.25	14.6	L5A2E332Y
	3900	51×115	C12R	0.25	17.0	L5A2E392Y
	4700	64×96	D10R	0.25	19.2	L5A2E472Y
	5600	64×96	D10R	0.25	21.0	L5A2E562Y
	6800	64×115	D12R	0.25	24.7	L5A2E682Y
	8200	64×115	D12R	0.25	27.1	L5A2E822Y
	10000	64×130	D13R	0.25	31.5	L5A2E103Y
	12000	77×115	E12R	0.25	34.8	L5A2E123Y
	15000	77×130	E13R	0.25	40.8	L5A2E153Y
	18000	77×155	E16R	0.25	47.8	L5A2E183Y
	22000	90×157	F16R	0.25	56.5	L5A2E223Y

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tan δ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
350V(2V)	390	36×53	A5	0.20	4.5	L5A2V391I
	470	36×83	A8	0.20	5.8	L5A2V471I
	560	36×83	A8	0.20	6.4	L5A2V561I
	680	36×83	A8	0.20	7.0	L5A2V681I
	820	36×100	A10	0.20	8.3	L5A2V821I
	1000	36×100	A10	0.20	9.2	L5A2V102I
	1200	51×75	C8R	0.20	10.3	L5A2V122Y
	1500	51×75	C8R	0.20	11.5	L5A2V152Y
	1800	51×96	C10R	0.20	13.9	L5A2V182Y
	2200	51×96	C10R	0.20	15.4	L5A2V222Y
	2700	51×130	C13R	0.20	19.3	L5A2V272Y
	3300	51×130	C13R	0.20	21.4	L5A2V332Y
	3900	64×115	D12R	0.20	24.2	L5A2V392Y
	4700	64×130	D13R	0.20	27.9	L5A2V472Y
	5600	77×115	E12R	0.20	30.7	L5A2V562Y
	6800	77×130	E13R	0.20	35.4	L5A2V682Y
	8200	77×155	E16R	0.20	41.7	L5A2V822Y
	10000	90×157	F16R	0.20	49.0	L5A2V103Y
	12000	90×157	F16R	0.20	54.1	L5A2V123Y
	15000	90×196	F20R	0.20	66.2	L5A2V153Y
18000	90×236	F24R	0.20	77.9	L5A2V183Y	

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tan δ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
400V(2G)	330	36×53	A5	0.20	4.1	L5A2G331I
	390	36×83	A8	0.20	5.3	L5A2G391I
	470	36×83	A8	0.20	5.8	L5A2G471I
	560	36×83	A8	0.20	6.4	L5A2G561I
	680	36×100	A10	0.20	7.6	L5A2G681I
	820	36×100	A10	0.20	8.3	L5A2G821I
	1000	51×75	C8R	0.20	9.4	L5A2G102Y
	1200	51×75	C8R	0.20	10.3	L5A2G122Y
	1500	51×96	C10R	0.20	12.7	L5A2G152Y
	1800	51×96	C10R	0.20	13.9	L5A2G182Y
	2200	51×130	C13R	0.20	17.4	L5A2G222Y
	2700	64×96	D10R	0.20	18.8	L5A2G272Y
	3300	64×115	D12R	0.20	22.2	L5A2G332Y
	3900	64×130	D13R	0.20	25.4	L5A2G392Y
	4700	77×115	E12R	0.20	28.2	L5A2G472Y
	5600	77×130	E13R	0.20	32.2	L5A2G562Y
	6800	77×155	E16R	0.20	38.0	L5A2G682Y
	8200	90×157	F16R	0.20	44.4	L5A2G822Y
	10000	90×157	F16R	0.20	49.4	L5A2G103Y
	12000	90×196	F20R	0.20	59.1	L5A2G123Y
15000	90×236	F24R	0.20	71.1	L5A2G153Y	

Rated Voltage V. DC	Capacitance (μF)	Case size øDXL(mm)	Case code	tan δ 20°C,120Hz	Ripple current (Arms) 40°C,120Hz	Product name
450V(2W)	270	36×53	A5	0.20	3.7	L5A2W271I
	330	36×83	A8	0.20	4.9	L5A2W331I
	390	36×83	A8	0.20	5.3	L5A2W391I
	470	36×83	A8	0.20	5.8	L5A2W471I
	560	36×100	A10	0.20	6.9	L5A2W561I
	680	36×100	A10	0.20	7.6	L5A2W681I
	820	51×75	C8R	0.20	8.6	L5A2W821Y
	1000	51×75	C8R	0.20	9.4	L5A2W102Y
	1200	51×96	C10R	0.20	11.4	L5A2W122Y
	1500	51×115	C12R	0.20	13.7	L5A2W152Y
	1800	51×130	C13R	0.20	15.8	L5A2W182Y
	2200	64×96	D10R	0.20	17.0	L5A2W222Y
	2700	64×115	D12R	0.20	20.2	L5A2W272Y
	3300	64×130	D13R	0.20	23.4	L5A2W332Y
	3900	77×115	E12R	0.20	25.6	L5A2W392Y
	4700	77×130	E13R	0.20	29.4	L5A2W472Y
	5600	77×155	E16R	0.20	34.6	L5A2W562Y
	6800	90×157	F16R	0.20	40.5	L5A2W682Y
	8200	90×157	F16R	0.20	44.6	L5A2W822Y
	10000	90×196	F20R	0.20	53.9	L5A2W103Y
12000	90×236	F24R	0.20	63.8	L5A2W123Y	