

ALUMINUM ELECTROLYTIC CAPACITORS

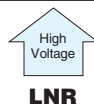
nichicon

LNY

Screw Terminal Type, 85°C Higher Capacitance

- Suited for equipment down sizing.
- Load life of 2000 hours application of ripple current at 85°C
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).

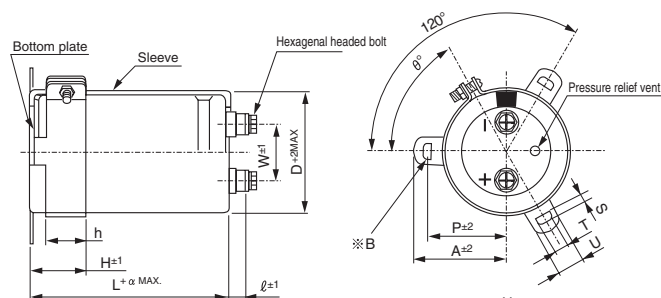
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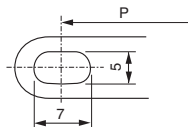
Specifications

Item	Performance Characteristics	
Category Temperature Range	- 40 to +85°C	
Rated Voltage Range	350 to 450V	
Rated Capacitance Range	820 to 22000µF	
Capacitance Tolerance	±20% (120Hz, 20°C)	
Leakage Current	After 5 minutes' application of rated voltage, leakage current is not more than $3\sqrt{CV}$ (µA) or 5 mA, whichever is smaller. (at 20°C) [C: Rated Capacitance(µF), V: Voltage (V)]	
Tangent of loss angle (tan δ)	See refer to next page (Measurement frequency: 120Hz at 20°C)	
Stability at Low Temperature	Rated voltage(V)	350 to 450
	Impedance ratio ZT/Z20(MAX.)	Z - 40°C / Z+20°C 12
Insulation Resistance	The insulation resistance shall be more than 100MΩ at DC 500V application between terminal and bracket.	
Voltage proof	There is no abnormality during AC 2500V 1 minute's application between terminal and bracket.	
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 2000 hours at 85°C, the peak voltage shall not exceed the rated voltage.	
	Capacitance change	Within ±20% of the initial capacitance value
	tan δ	300% or less than the initial specified value
Shelf Life	After storing the capacitors under no load at 85°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the requirements listed at right.	
	Capacitance change	Within ±20% of the initial capacitance value
	tan δ	300% or less than the initial specified value
Marking	Leakage current	Less than or equal to the initial specified value
	Printed with white color letter on black sleeve	

Drawing



※ B
3-leg brackets for φ90 capacitors have different hole shapes from the ordinary ones illustrated below.



Note) The brackets will be supplied in the separate box.

Type numbering system (Example: 400V 10000µF)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
L	N	Y	2	G	1	0	3	M	S	E	J		
												Mounting bracket	
												Case dia. code (φ51 to φ90)	
												Configuration※	
												Capacitance tolerance (±20%)	
												Rated Capacitance (10000μF)	
												Rated Voltage (400V)	
												Series name	
												Type	
												Code last	
												3-leg brackets	
												2-leg brackets	
												No brackets	
												BB	
												BN	
												φD	
												Code	
												51	
												F	
												63.5	
												G	
												76.2	
												H	
												90	
												J	

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■ Dimensions

350V (2V)					
Cap. (μ F)	Size ϕ D $\times$ L (mm)	Rated ripple (Arms)	$\tan \delta$	Leakage Current (mA)	Code
1500	51 $\times$ 60	9.3	0.25	2.17	LNY2V152MSEF
1800	51 $\times$ 70	10.0	0.25	2.38	LNY2V182MSEF
2200	51 $\times$ 80	11.1	0.25	2.63	LNY2V222MSEF
2700	51 $\times$ 90	12.2	0.25	2.92	LNY2V272MSEF
	63.5 $\times$ 65	11.9	0.25	2.92	LNY2V272MSEG
3300	51 $\times$ 105	13.8	0.25	3.22	LNY2V332MSEF
	63.5 $\times$ 75	13.1	0.25	3.22	LNY2V332MSEG
3900	51 $\times$ 130	14.8	0.25	3.50	LNY2V392MSEF
	63.5 $\times$ 80	14.1	0.25	3.50	LNY2V392MSEG
4700	51 $\times$ 140	15.9	0.25	3.85	LNY2V472MSEF
	63.5 $\times$ 90	15.8	0.25	3.85	LNY2V472MSEG
	76.2 $\times$ 70	15.7	0.25	3.85	LNY2V472MSEH
5600	63.5 $\times$ 100	17.1	0.25	4.20	LNY2V562MSEG
	76.2 $\times$ 85	17.0	0.25	4.20	LNY2V562MSEH
6800	63.5 $\times$ 125	19.2	0.25	4.63	LNY2V682MSEG
	76.2 $\times$ 95	18.8	0.25	4.63	LNY2V682MSEH
8200	63.5 $\times$ 145	20.6	0.25	5.00	LNY2V822MSEG
	76.2 $\times$ 105	20.2	0.25	5.00	LNY2V822MSEH
10000	63.5 $\times$ 165	23.2	0.25	5.00	LNY2V103MSEG
	76.2 $\times$ 125	23.5	0.25	5.00	LNY2V103MSEH
	90 $\times$ 95	23.5	0.25	5.00	LNY2V103MSEJ
12000	76.2 $\times$ 150	24.0	0.25	5.00	LNY2V123MSEH
	90 $\times$ 110	24.1	0.25	5.00	LNY2V123MSEJ
15000	76.2 $\times$ 190	28.0	0.25	5.00	LNY2V153MSEH
	90 $\times$ 140	29.2	0.25	5.00	LNY2V153MSEJ
18000	76.2 $\times$ 210	30.2	0.25	5.00	LNY2V183MSEH
	90 $\times$ 155	31.1	0.25	5.00	LNY2V183MSEJ
22000	90 $\times$ 190	35.4	0.25	5.00	LNY2V223MSEJ

400V (2G)					
Cap. (μ F)	Size ϕ D $\times$ L (mm)	Rated ripple (Arms)	$\tan \delta$	Leakage Current (mA)	Code
1000	51 $\times$ 60	6.4	0.25	1.90	LNY2G102MSEF
1200	51 $\times$ 65	7.1	0.25	2.08	LNY2G122MSEF
1500	51 $\times$ 75	8.1	0.25	2.32	LNY2G152MSEF
1800	51 $\times$ 85	8.7	0.25	2.55	LNY2G182MSEF
	63.5 $\times$ 65	9.1	0.25	2.55	LNY2G182MSEG
2200	51 $\times$ 95	9.6	0.25	2.81	LNY2G222MSEF
	63.5 $\times$ 75	10.1	0.25	2.81	LNY2G222MSEG
2700	51 $\times$ 115	10.5	0.25	3.12	LNY2G272MSEF
	63.5 $\times$ 85	11.6	0.25	3.12	LNY2G272MSEG
3300	51 $\times$ 145	12.4	0.25	3.45	LNY2G332MSEF
	63.5 $\times$ 95	13.0	0.25	3.45	LNY2G332MSEG
3900	51 $\times$ 170	13.8	0.25	3.75	LNY2G392MSEF
	63.5 $\times$ 105	14.2	0.25	3.75	LNY2G392MSEG
	76.2 $\times$ 85	14.6	0.25	3.75	LNY2G392MSEH
4700	63.5 $\times$ 125	16.1	0.25	4.11	LNY2G472MSEG
	76.2 $\times$ 95	16.2	0.25	4.11	LNY2G472MSEH
5600	63.5 $\times$ 140	16.9	0.25	4.49	LNY2G562MSEG
	76.2 $\times$ 105	17.6	0.25	4.49	LNY2G562MSEH
6800	63.5 $\times$ 165	19.1	0.25	4.95	LNY2G682MSEG
8200	63.5 $\times$ 210	21.2	0.25	5.00	LNY2G822MSEG
	76.2 $\times$ 150	21.2	0.25	5.00	LNY2G822MSEH
	90 $\times$ 120	21.0	0.25	5.00	LNY2G822MSEJ
10000	76.2 $\times$ 170	22.4	0.25	5.00	LNY2G103MSEH
	90 $\times$ 130	22.0	0.25	5.00	LNY2G103MSEJ
12000	76.2 $\times$ 220	26.0	0.25	5.00	LNY2G123MSEH
	90 $\times$ 155	26.0	0.25	5.00	LNY2G123MSEJ
15000	90 $\times$ 190	28.3	0.25	5.00	LNY2G153MSEJ
18000	90 $\times$ 230	30.6	0.25	5.00	LNY2G183MSEJ

450V (2W)					
Cap. (μ F)	Size ϕ D $\times$ L (mm)	Rated ripple (Arms)	$\tan \delta$	Leakage Current (mA)	Code
820	51 $\times$ 60	4.9	0.25	1.82	LNY2W821MSEF
1000	51 $\times$ 70	5.5	0.25	2.01	LNY2W102MSEF
1200	51 $\times$ 75	6.0	0.25	2.20	LNY2W122MSEF
1500	51 $\times$ 85	6.8	0.25	2.46	LNY2W152MSEF
	63.5 $\times$ 65	7.9	0.25	2.46	LNY2W152MSEG
1800	51 $\times$ 95	7.9	0.25	2.70	LNY2W182MSEF
	63.5 $\times$ 75	8.9	0.25	2.70	LNY2W182MSEG
2200	51 $\times$ 125	9.2	0.25	2.98	LNY2W222MSEF
	63.5 $\times$ 85	9.8	0.25	2.98	LNY2W222MSEG
2700	51 $\times$ 145	10.3	0.25	3.31	LNY2W272MSEF
	63.5 $\times$ 90	10.8	0.25	3.31	LNY2W272MSEG
3300	51 $\times$ 170	11.1	0.25	3.66	LNY2W332MSEF
	63.5 $\times$ 105	12.0	0.25	3.66	LNY2W332MSEG
	76.2 $\times$ 85	12.6	0.25	3.66	LNY2W332MSEH
3900	63.5 $\times$ 125	13.5	0.25	3.97	LNY2W392MSEG
	76.2 $\times$ 95	14.0	0.25	3.97	LNY2W392MSEH
4700	63.5 $\times$ 145	15.2	0.25	4.36	LNY2W472MSEG
	76.2 $\times$ 105	15.6	0.25	4.36	LNY2W472MSEH
5600	63.5 $\times$ 165	17.0	0.25	4.76	LNY2W562MSEG
	76.2 $\times$ 125	17.6	0.25	4.76	LNY2W562MSEH
6800	63.5 $\times$ 210	19.1	0.25	5.00	LNY2W682MSEG
	76.2 $\times$ 150	19.6	0.25	5.00	LNY2W682MSEH
	90 $\times$ 120	19.5	0.25	5.00	LNY2W682MSEJ
8200	76.2 $\times$ 170	20.1	0.25	5.00	LNY2W822MSEH
	90 $\times$ 130	20.1	0.25	5.00	LNY2W822MSEJ
10000	76.2 $\times$ 210	23.0	0.25	5.00	LNY2W103MSEH
	90 $\times$ 155	22.9	0.25	5.00	LNY2W103MSEJ
12000	90 $\times$ 190	26.0	0.25	5.00	LNY2W123MSEJ
15000	90 $\times$ 220	29.6	0.25	5.00	LNY2W153MSEJ

Rated ripple current (Arms) at 85°C 120Hz

● Frequency coefficient of rated ripple current

Frequency (Hz)	50	60	120	360	1k	10k or more
Coefficient	0.80	0.82	1.00	1.20	1.35	1.40