Screw Terminal Type, 85°C Smaller-sized Higher ripple current

NX NK

Smaller

- Suited for use in industrial power supplies for inverter circuritry, etc.
- Load life 5000 hours application of ripple current at 85°C. • Smaller sized / High ripple current than NX, NK series.
- Coped with loading of high speed charge-discharge.
- Suited for high frequency regenerative voltage for AC servomotor, general inverter.
- Compliant to the RoHS directive (2002/95/EC).

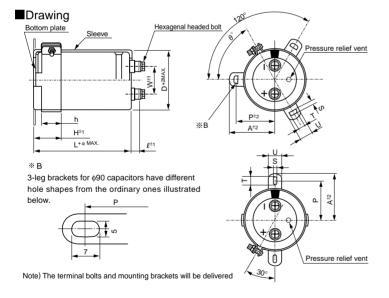




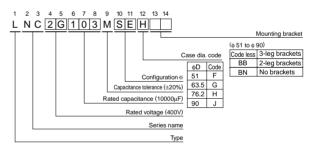


■ Specifications

Item	Performance Characteristics						
Category Temperature Range	- 40 to +85°C						
Rated Voltage Range	350 to 500V						
Rated Capacitance Range	1000 to 22000µF						
Capacitance Tolerance	±20% at 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)	0.20MAX. (120Hz, 20°C)						
	Rated voltage (V)	Rated voltage (V) 350 to 500 Measurement frequency : 120Hz					
Stability at Low Temperature	Impodence ratio ZT/720/MAY	Z – 40°C / Z+20°C					
	Impedance ratio ZT/Z20(MAX.)						
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 bety	veen termi	nal and brack	et.		
	The specifications listed at right shall be met w	hen the capacitors are restor	ed Car	pacitance cha	nge Within ±20% of	of the initial capacitance value	
Endurance	to 20°C after D.C. bias plus rated ripple curre	ent is applied for 5000 hours	at tan	δ	200% or less	than the initial specified value	
	85°C, the peak voltage shall not exceed the ra	ted voltage.	Lea	akage current	Less than or e	equal to the initial specified value	
	After storing the capacitors under no load	at 85°C for 1000 hours an	Car	pacitance cha	nge Within ±20% o	of the initial capacitance value	
Shelf Life	then performing voltage treatment based of		tan	δ	200% or less	than the initial specified value	
	at 20°C, they shall meet the reguirements	listed at right.	Lea	akage current	Less than or e	equal to the initial specified value	
Endurance of charge-	After an application of charge-discharge vol	tage for 50million times	Capacita	ince change	Within ±20% of the ini	itial capacitance value	
ı	(charge-discharge voltage difference(ΔV)=ra		tan δ		200% or less than the	e initial specified value	
discharge behavior	3Hz)capacitors shell meet the characteristics re	equirement listed at right.	Leakage current Less than or equal to the initial specified		the initial specified value		
Marking	Printed with white color letter on black sleeve				<u> </u>	·	



Type numbering system (Example: 400V 10000µF)



« Configuration

SE	standard specifications
TE	stud mount type

Please refer to page 293 for schematic of dimensions. ** Please contact to us if PVC less products are required.

ullet Dimension of terminal pitch (W) and length (ℓ) and Nominal dia.of bolt

		, ,		()
φD	W	l	α	Nominal dia. of bolt
51	22.0	6	3	M 5
63.5	28.6	6	3	M 5
76.2	31.8	6	3	M 5
90	31.8	6	3	M 5
100	41.5	10	4	M 8

Dimensions of mounting bracket

(mm)

• Difference of mounting bracket (min)									
Leg shape		3-l	Leg		2-Leg				
Symbol øD	51	63.5	76.2	90	51	63.5	76.2	90	
Р	33.2	40.5	46.5	53	32.5	38.1	44.5	50.8	
Α	40	46.5	53	59	38.5	43	49.2	58.5	
Т	6.0	7.0	6.0	6.0	7.5	8.0	7.0	8.0	
S	4.5	4.5	4.5	4.5	5.0	5.0	5.0	5.0	
U	14	14	14	14	12	14	14	18	
θ°	30	30	30	30	60	60	60	60	
Н	25	35	35	35	20	25	30	35	
h	15	20	20	20	15	20	24	25	



Dimensions

350V(2V)								
Cap. (μF)	Size $\phi D \times L(mm)$	Rated ripple (Arms)	tan δ	Leakage Current (mA)	Code			
1000	51 × 55	8.4	0.20	1.77	LNC2V102MSEF			
1200	51 × 60	8.6	0.20	1.94	LNC2V122MSEF			
1500	51 × 65	9.3	0.20	2.17	LNC2V152MSEF			
1800	51 × 75	10.3	0.20	2.38	LNC2V182MSEF			
2200	51 × 85	11.9	0.20	2.63	LNC2V222MSEF			
2700	51 × 95	13.3	0.20	2.92	LNC2V272MSEF			
2700	63.5 × 70	13.7	0.20	2.92	LNC2V272MSEG			
3300	51 × 115	13.6	0.20	3.22	LNC2V332MSEF			
3300	63.5 × 80	14.0	0.20	3.22	LNC2V332MSEG			
3900	63.5 × 85	14.9	0.20	3.50	LNC2V392MSEG			
3900	76.2×70	14.3	0.20	3.50	LNC2V392MSEH			
4700	63.5 × 100	16.4	0.20	3.85	LNC2V472MSEG			
4700	76.2 × 80	15.7	0.20	3.85	LNC2V472MSEH			
5600	63.5 × 115	18.1	0.20	4.20	LNC2V562MSEG			
3000	76.2 × 90	17.6	0.20	4.20	LNC2V562MSEH			
6800	63.5 × 135	20.3	0.20	4.63	LNC2V682MSEG			
0000	76.2 × 100	19.7	0.20	4.63	LNC2V682MSEH			
8200	76.2 × 115	22.2	0.20	5.00	LNC2V822MSEH			
0200	90×90	24.2	0.20	5.00	LNC2V822MSEJ			
10000	76.2 × 135	25.2	0.20	5.00	LNC2V103MSEH			
10000	90 × 100	27.1	0.20	5.00	LNC2V103MSEJ			
12000	76.2 × 155	28.2	0.20	5.00	LNC2V123MSEH			
12000	90 × 120	30.1	0.20	5.00	LNC2V123MSEJ			
15000	90 × 145	35.4	0.20	5.00	LNC2V153MSEJ			
18000	90 × 165	39.2	0.20	5.00	LNC2V183MSEJ			
22000	90 × 205	43.4	0.20	5.00	LNC2V223MSEJ			

		40	0V(2G)		
Cap. (µF)	Size $\phi D \times L(mm)$	Rated ripple (Arms)	tan δ	Leakage Current (mA)	Code
1000	51 × 60	8.6	0.20	1.90	LNC2G102MSEF
1200	51 × 65	9.3	0.20	2.08	LNC2G122MSEF
1500	51 × 80	10.8	0.20	2.32	LNC2G152MSEF
1800	51 × 85	12.0	0.20	2.55	LNC2G182MSEF
2200	51 × 100	13.0	0.20	2.81	LNC2G222MSEF
2200	63.5 × 70	12.8	0.20	2.81	LNC2G222MSEG
2700	63.5 × 80	14.5	0.20	3.12	LNC2G272MSEG
2700	76.2 × 65	14.3	0.20	3.12	LNC2G272MSEH
3300	63.5 × 90	14.9	0.20	3.45	LNC2G332MSEG
3300	76.2×70	15.3	0.20	3.45	LNC2G332MSEH
3900	63.5 × 100	16.5	0.20	3.75	LNC2G392MSEG
3900	76.2 × 80	17.1	0.20	3.75	LNC2G392MSEH
4700	63.5 × 120	18.8	0.20	4.11	LNC2G472MSEG
4700	76.2×90	18.3	0.20	4.11	LNC2G472MSEH
5600	63.5 × 135	20.9	0.20	4.49	LNC2G562MSEG
3000	76.2 × 100	20.2	0.20	4.49	LNC2G562MSEH
	63.5 × 165	23.8	0.20	4.95	LNC2G682MSEG
6800	76.2 × 120	23.1	0.20	4.95	LNC2G682MSEH
	90×90	26.3	0.20	4.95	LNC2G682MSEJ
8200	76.2 × 145	26.1	0.20	5.00	LNC2G822MSEH
0200	90 × 105	29.5	0.20	5.00	LNC2G822MSEJ
10000	76.2 × 165	29.5	0.20	5.00	LNC2G103MSEH
10000	90 × 120	33.2	0.20	5.00	LNC2G103MSEJ
12000	90 × 145	37.1	0.20	5.00	LNC2G123MSEJ
15000	90 × 185	42.9	0.20	5.00	LNC2G153MSEJ
18000	90 × 205	48.2	0.20	5.00	LNC2G183MSEJ

450V(2W)								
Cap. (µF)	Size $\phi D \times L(mm)$	Rated ripple (Arms)	tan δ	Leakage Current (mA)	Code			
1000	51 × 70	9.3	0.20	2.01	LNC2W102MSEF			
1200	51 × 80	9.9	0.20	2.20	LNC2W122MSEF			
1500	51 × 90	10.4	0.20	2.46	LNC2W152MSEF			
1800	51 × 105	11.5	0.20	2.70	LNC2W182MSEF			
1000	63.5 × 70	11.9	0.20	2.70	LNC2W182MSEG			
2200	63.5 × 85	12.3	0.20	2.98	LNC2W222MSEG			
2200	76.2 × 65	12.5	0.20	2.98	LNC2W222MSEH			
2700	63.5 × 90	13.7	0.20	3.31	LNC2W272MSEG			
2700	76.2×75	13.7	0.20	3.31	LNC2W272MSEH			
3300	63.5 × 115	15.6	0.20	3.66	LNC2W332MSEG			
3300	76.2 × 85	15.5	0.20	3.66	LNC2W332MSEH			
3900	63.5 × 135	17.3	0.20	3.97	LNC2W392MSEG			
3900	76.2 × 90	17.0	0.20	3.97	LNC2W392MSEH			
4700	63.5 × 145	19.2	0.20	4.36	LNC2W472MSEG			
4700	76.2 × 115	19.2	0.20	4.36	LNC2W472MSEH			
	63.5 × 165	21.4	0.20	4.76	LNC2W562MSEG			
5600	76.2 × 135	21.6	0.20	4.76	LNC2W562MSEH			
	90 × 95	24.2	0.20	4.76	LNC2W562MSEJ			
6800	76.2 × 145	23.8	0.20	5.00	LNC2W682MSEH			
0000	90×115	27.5	0.20	5.00	LNC2W682MSEJ			
8200	76.2 × 185	27.2	0.20	5.00	LNC2W822MSEH			
0200	90 × 135	30.5	0.20	5.00	LNC2W822MSEJ			
10000	90 × 155	34.1	0.20	5.00	LNC2W103MSEJ			
12000	90 × 185	38.2	0.20	5.00	LNC2W123MSEJ			
15000	90 × 215	43.1	0.20	5.00	LNC2W153MSEJ			

	500V(2H)								
Cap. (µF)	Size $\phi D \times L(mm)$	Rated ripple (Arms)	tan δ	Leakage Current (mA)	Code				
1000	51 × 85	10.3	0.20	2.12	LNC2H102MSEF				
1200	63.5 × 70	10.4	0.20	2.32	LNC2H122MSEG				
1500	63.5 × 80	11.6	0.20	2.60	LNC2H152MSEG				
1800	63.5 × 90	12.7	0.20	2.85	LNC2H182MSEG				
2200	63.5 × 100	14.2	0.20	3.15	LNC2H222MSEG				
2700	76.2 × 90	15.8	0.20	3.49	LNC2H272MSEH				
3300	76.2 × 105	17.8	0.20	3.85	LNC2H332MSEH				
3900	76.2 × 120	19.9	0.20	4.19	LNC2H392MSEH				
4700	90 × 105	23.6	0.20	4.60	LNC2H472MSEJ				
5600	90 × 120	26.4	0.20	5.00	LNC2H562MSEJ				
6800	90 × 145	30.0	0.20	5.00	LNC2H682MSEJ				
8200	90 × 165	33.7	0.20	5.00	LNC2H822MSEJ				
10000	90 × 205	38.3	0.20	5.00	LNC2H103MSEJ				

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