

- High ripple capability
- For train systems and high power consuming inverter circuits
- Endurance with ripple current:20000hours at85°C (105°C12000hours)

long life Large control equipment for high-speed train,mechanical equipment,
 military facility, large CNC integrated power supply etc

Protection AC/DC DC switching power supply. variable-frequency power sources. High power DC switching power supply
 Inverter. Aerospace power. Ships power.pparticularly within the fields of weapons, communications, sensors and protection systems.
 magnaflux high-voltage power supplylong life Large control equipment for high-speed train,mechanical equipment, military
 facility, large CNC integrated power supply etc..

◆ SPECIFIC ATIONS

items	Characteristics	
Category temperature Range	-25~+85°C	
Rated voltage Range	350~450 _{VDC}	
Capacitance Tolerance	± 20% (M) at 20°C/120HZ	
Leakage Current	I=0.02CV or 5mA, whichever is smaller I: Where, I : Max. leakage current (μA)、C: Nominal capacitance (μF)、Rated voltage (V)at 20°Cafter 5 minutes)	
Dissipation Factor (tanδ)	≤0.10 at 20°C/120HZ	
Low Temperature characteristics	Capacitance change(vdc) C (-25°C) /C (+20°C) ≥0.7 at 20°C/120HZ	
Insulation Resistance	When measured between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500Vdc, the insulation resistance shall not be less than 100MΩ	
Insulation Withstanding Voltage	When a voltage of 2,000Vac is applied for 1 minute between the terminals that are connected to each other and to the mounting clamp on the insulating sleeve covering the case, there shall not be electrical damage	
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage) for 20,000 hours at 85°C	
	Capacitance change	≤±20% of the initial value
	D.F. (tanδ)	≤200% of the initial specified value
	Leakage current	≤The initial specified value
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for5000 hours at 85°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of JIS C 5101-4	
	Capacitance change	≤±20% of the initial value
	D.F. (tanδ)	≤200% of the initial specified value
	Leakage current	≤The initial specified value

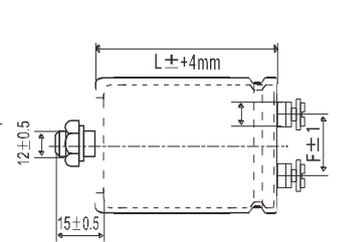
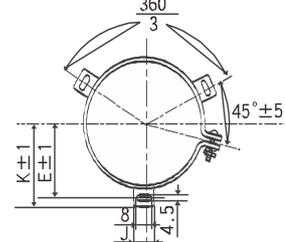
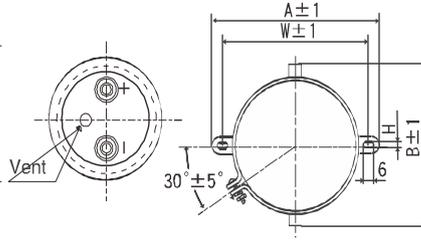
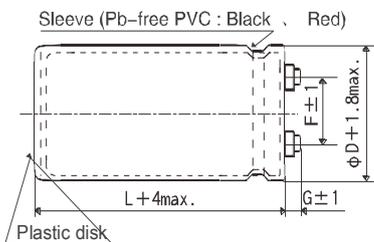
◆ DIMENSIONS[mm]

● Terminal Code : M5

● Mounting Clamp Code : B

● Mounting Clamp Code : C

● NO Mounting Clamp Code : N



∅D	A	B	W	H	F
35	58.0	44.0	48.0	3.5	12.7
50	78.0	64.0	68.0	4.5	22.4
63.5	90.0	76.0	80.0	4.5	28.0
76.2	104.5	90.0	93.5	4.5	31.5

∅D	E	K	F	J
50	32.5	37.0	14.0	22.4
63.5	38.1	43.5	28.0	14.0
76.2	44.5	50.0	31.5	14.0
89	50.8	56.5	31.5	16.0
100	56.5	63.4	41.5	18.0

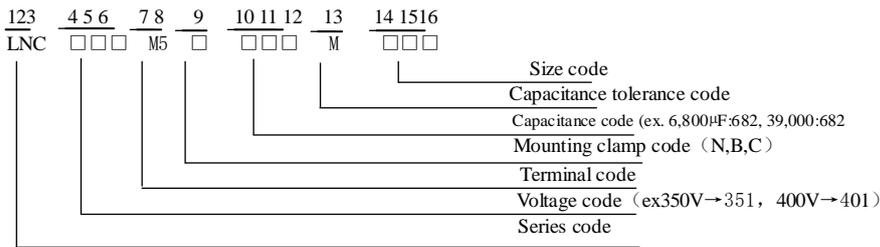
∅35~ ∅63.5: G=6 ∅76.2~ ∅89: G=5

Screw specifications

~ ~ Plus hexagon-headed screw M5*0.8*10 M6*1.0*10 ∅100

Maximum screw tightening torque 3.23N.m The screw and the mounting clamp are separately supplied and not attached to the product

◆PART NUMBERING SYSTEM



Please refer to "Product code guide (screw-mount terminal type)"

SRANDRAD RATINGS

W.V [Vdc]	cap [µ F]	Case size D x L [mm]	tanδ 120HZ, 20°C	Rated ripple currentAms 85°C, 120HZ	Part NO.	W.V [Vdc]	cap [µ F]	Case size D x L [mm]	tanδ 120HZ, 20°C	Rated ripple currentAms 85°C, 120HZ	Part NO.
350	3300	63.5*115	0.10	11.1	LNC351M5C332MDB5	400	2700	63.5*115	0.10	10.1	LNC401M5C272MDB5
	3900	63.5*130	0.10	12.8	LNC351M5C392MDD0		3300	63.5*130	0.10	11.7	LNC401M5C332MDD0
	4700	63.5*155	0.10	15.2	LNC351M5C472MDF5		3900	63.5*155	0.10	13.8	LNC401M5C392MDF5
	4700	76.2*115	0.10	14.7	LNC351M5C472MEB5		3900	76.2*115	0.10	14.7	LNC401M5C392MEB5
	5600	63.5*170	0.10	17.3	LNC351M5C562MDH0		4700	63.5*170	0.10	15.8	LNC401M5C472MDH0
	5600	76.2*130	0.10	16.9	LNC351M5C562MED0		4700	76.2*130	0.10	15.5	LNC401M5C472MED0
	6800	63.5*190	0.10	20.0	LNC351M5C682MDK0		5600	63.5*190	0.10	18.2	LNC401M5C562MDK0
	6800	76.2*155	0.10	20.2	LNC351M5C682MEF5		5600	76.2*155	0.10	18.3	LNC401M5C562MEF5
	8200	76.2*170	0.10	23.1	LNC351M5C822MEH0		6800	76.2*170	0.10	21.0	LNC401M5C682MEH0
	10000	89*155	0.10	26.6	LNC351M5C103MFF5		8200	89*155	0.10	24.1	LNC401M5C822MFF5
	12000	89*190	0.10	32.0	LNC351M5C123MFK0		10000	89*190	0.10	26.5	LNC401M5C103MFK0
450	2200	63.5*115	0.10	9.1	LNC451M5C222MDB5	450	4700	76.2*155	0.10	16.7	LNC451M5C472MEF5
	2700	63.5*130	0.10	10.6	LNC451M5C272MDD0		5600	76.2*190	0.10	20.1	LNC451M5C562MEK0
	2700	76.2*115	0.10	11.2	LNC451M5C272MEB5		5600	89*155	0.10	19.9	LNC451M5C562MFF5
	3300	63.5*155	0.10	12.7	LNC451M5C332MDF5		6800	89*170	0.10	23.0	LNC451M5C682MFH0
	3300	76.2*130	0.10	13.0	LNC451M5C332MED0		8200	89*190	0.10	26.4	LNC451M5C822MFK0
	3900	63.5*170	0.10	14.4	LNC451M5C392MDH0		10000	89*220	0.10	29.1	LNC401M5C103MFF0

◆RTED RIPPLE CURRENT MUIERS

The ripple frequency and standard list of the specified value is not at the same time, please use the value is less than the following

●Frequency Multiplier

Frequency (HZ)	50	100	300	1K	3K
coefficient	0.8	1.0	1.1	1.3	1.4

Note : The endurance of capacitors is shorted with internal heating produced by ripple current at the rate of halving the lifetime with every 5 to 10°C rise. When long life performance is required in actual use, the rms ripple current has to be reduced. Also, for the LHA series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact representative of capsun