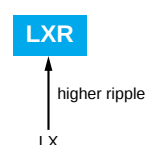


LXR Series

- Higher ripple capability than LX series
- Endurance with ripple current : 105°C 5000 hours



SPECIFICATIONS

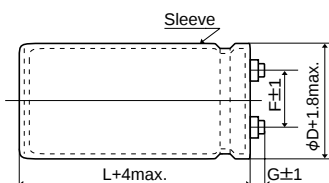
Items	Characteristics						
Category							
Temperature Range	-25 to +105°C						
Rated Voltage Range	350 to 450V _{dc}						
Capacitance Tolerance	±20% (M) (at 20°C, 120Hz)						
Leakage Current	I=0.02CV or 5mA, whichever is smaller. Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V) (at 20°C after 5 minutes)						
Dissipation Factor (tanδ)	0.15max. (at 20°C, 120Hz)						
Low Temperature Characteristics	Capacitance change $C(-25^{\circ}\text{C})/C(+20^{\circ}\text{C}) \geq 0.7$ (at 120Hz)						
Insulation Resistance	When measured between the terminals shorted each other and the mounting clamp on the insulating sleeve covering the case by using an insulation resistance meter of 500V _{dc} , the insulation shall not be less than 100MΩ.						
Insulation Withstanding Voltage	When a voltage of 2000Vac is applied for 1 minute between the terminals shorted each other and 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 for 5000 hours at 105°C. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>	Capacitance change	≤±20% of the initial value	D.F. (tanδ)	≤200% of the initial specified value	Leakage current	≤The initial specified value
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 for 1000 hours at 105°C without voltage applied. <table border="1"> <tr> <td>Capacitance change</td><td>≤±20% of the initial value</td></tr> <tr> <td>D.F. (tanδ)</td><td>≤200% of the initial specified value</td></tr> <tr> <td>Leakage current</td><td>≤The initial specified value</td></tr> </table>	Capacitance change	≤±20% of the initial value	D.F. (tanδ)	≤200% of the initial specified value	Leakage current	≤The initial specified value
Capacitance change	≤±20% of the initial value						
D.F. (tanδ)	≤200% of the initial specified value						
Leakage current	≤The initial specified value						

DIMENSIONS (Screw-Mount) [mm]

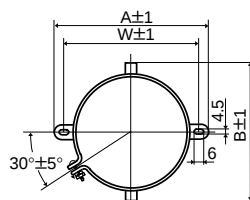
● Terminal Code : LG

● Mounting Clamp Code : B

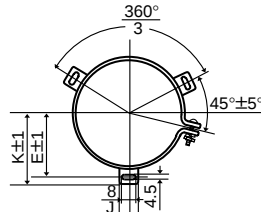
● Mounting Clamp Code : C



φ63.5 & φ76 : G=6
φ89 : G=4
φ100 : G=10



φD	A	B	W	F
63.5	90	76	80	28.0
76	104.5	90	93.5	31.5



φD	E	K	F	J
63.5	38.1	43.5	28.0	14.0
76	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

<Screw specifications>

φ63.5 to φ89

Plus hexagon-headed screw :
M5×0.8×10

Maximum screw tightening torque :
3.23Nm

φ100

Cross-recessed head (Phillips) screw :
M8×1.25×16

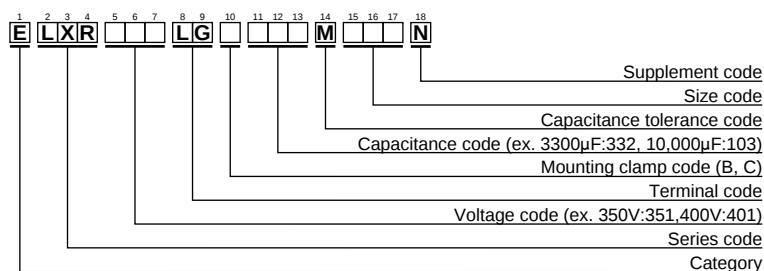
Spring washer

Washer

Maximum screw tightening torque :
6.31Nm

* The screw and the mounting clamp are separately supplied and not attached to the product.

PART NUMBERING SYSTEM



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

◆STANDARD RATINGS

WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (Vdc)	Cap (μF)	Case size φD×L(mm)	tanδ	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
350	3300	63.5×115	0.15	14.4	ELXR351LGC332MDB5N	400	6800	76×170	0.15	27.3	ELXR401LGC682MEH0N
	3900	63.5×130	0.15	16.6	ELXR351LGC392MDD0N		6800	89×155	0.15	26.6	ELXR401LGC682MFF5N
	4700	63.5×155	0.15	19.8	ELXR351LGC472MDF5N		8200	89×170	0.15	30.5	ELXR401LGC822MFH0N
	4700	76×115	0.15	19.1	ELXR351LGC472MEB5N		10000	100×190	0.15	34.5	ELXR401LGC103MGK0N
	5600	63.5×170	0.15	22.5	ELXR351LGC562MDH0N		12000	100×220	0.15	40.2	ELXR401LGC123MGN0N
	5600	76×130	0.15	21.9	ELXR351LGC562MED0N	450	2200	63.5×115	0.15	11.8	ELXR451LGC222MDB5N
	6800	76×155	0.15	26.2	ELXR351LGC682MEF5N		2700	63.5×130	0.15	13.7	ELXR451LGC272MDD0N
	8200	76×170	0.15	30.0	ELXR351LGC822MEH0N		2700	76×115	0.15	14.5	ELXR451LGC272MEB5N
	8200	89×155	0.15	29.2	ELXR351LGC822MFF5N		3300	63.5×155	0.15	16.5	ELXR451LGC332MDF5N
	10000	89×170	0.15	33.7	ELXR351LGC103MFH0N		3300	76×130	0.15	16.9	ELXR451LGC332MED0N
	12000	100×190	0.15	37.8	ELXR351LGC123MGK0N		3900	63.5×170	0.15	18.7	ELXR451LGC392MDH0N
	15000	100×250	0.15	47.7	ELXR351LGC153MGR0N		4700	76×155	0.15	21.7	ELXR451LGC472MEF5N
400	2700	63.5×115	0.15	13.1	ELXR401LGC272MDB5N		5600	76×190	0.15	26.1	ELXR451LGC562MEK0N
	3300	63.5×130	0.15	15.2	ELXR401LGC332MDD0N		5600	89×155	0.15	24.1	ELXR451LGC562MFF5N
	3900	63.5×155	0.15	17.9	ELXR401LGC392MDF5N		6800	89×170	0.15	27.8	ELXR451LGC682MFH0N
	3900	76×115	0.15	18.2	ELXR401LGC392MEB5N		8200	89×190	0.15	32.0	ELXR451LGC822MFK0N
	4700	63.5×170	0.15	20.5	ELXR401LGC472MDH0N		10000	100×220	0.15	36.8	ELXR451LGC103MGN0N
	4700	76×130	0.15	20.1	ELXR401LGC472MED0N		12000	100×250	0.15	42.7	ELXR451LGC123MGR0N
	5600	76×155	0.15	23.8	ELXR401LGC562MEF5N						

◆RATED RIPPLE CURRENT MULTIPLIERS

●Frequency Multipliers

Frequency (Hz)	120	300	1k	3k
Coefficient	1.0	1.1	1.3	1.4

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 LXR series capacitors, using them at operating voltage less than their rated voltage can extend their lifetime. For the details, please contact a representative of Nippon Chemi-Con.