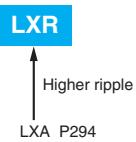


LXR Series

- Higher ripple capability than LXA series
- Endurance with ripple current : 5,000 hours at 105°C
- RoHS Compliant

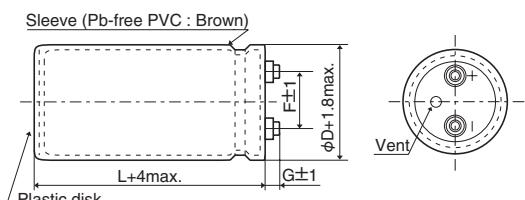


◆SPECIFICATIONS

Items	Characteristics	
Category		
Temperature Range	-25 to +105°C	
Rated Voltage Range	350 to 450V _{dc}	
Capacitance Tolerance	$\pm 20\%$ (M) (at 20°C, 120Hz)	
Leakage Current	$I=0.02CV$ or 5mA, whichever is smaller. Where, I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V) (at 20°C after 5 minutes)	
Dissipation Factor (tan δ)	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 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 500V _{dc} , the insulation resistance shall not be less than than 100M Ω .	
Insulation Withstanding Voltage	When a voltage of 2,000V _{ac} 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 5,000 hours at 105°C. Capacitance change $\leq \pm 20\%$ of the initial value D.F. (tan δ) $\leq 200\%$ of the initial specified value Leakage current \leq The initial specified value	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°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 $\leq \pm 20\%$ of the initial value D.F. (tan δ) $\leq 200\%$ of the initial specified value Leakage current \leq The initial specified value	

◆DIMENSIONS (Screw-Mount) [mm]

- Terminal Code : LG



φ63.5 & φ76.2 : G=6

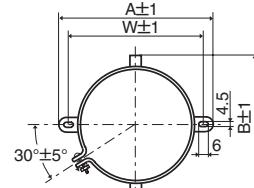
φ89 : G=4

φ100 : G=10

<Screw specifications>

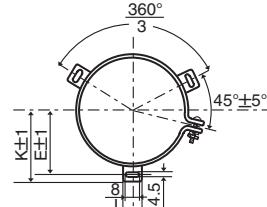
to φ89 Plus hexagon-headed screw : M5×0.8×10
Maximum screw tightening torque : 3.23Nm

- Mounting Clamp Code : B



φD	A	B	W	F
63.5	90	76	80	28.0
76.2	104.5	90	93.5	31.5

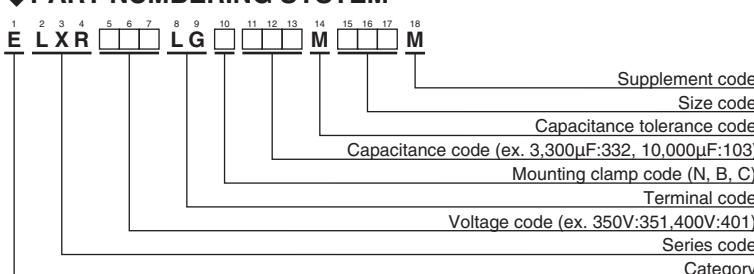
- Mounting Clamp Code : C



φD	E	K	F	J
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

* 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)"

LXR Series

◆ STANDARD RATINGS

WV (Vdc)	Cap (μ F)	Case size ϕ D×L(mm)	$\tan\delta$	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.	WV (Vdc)	Cap (μ F)	Case size ϕ D×L(mm)	$\tan\delta$	Rated ripple current (Arms/ 105°C, 120Hz)	Part No.
350	3,300	63.5×115	0.15	14.4	ELXR351LGC332MDB5M	400	6,800	76.2×170	0.15	27.3	ELXR401LGC682MEH0M
	3,900	63.5×130	0.15	16.6	ELXR351LGC392MDD0M		6,800	89×155	0.15	26.6	ELXR401LGC682MFF5M
	4,700	63.5×155	0.15	19.8	ELXR351LGC472MDF5M		8,200	89×170	0.15	30.5	ELXR401LGC822MFH0M
	4,700	76.2×115	0.15	19.1	ELXR351LGC472MEB5M		10,000	100×190	0.15	34.5	ELXR401LGC103MGK0M
	5,600	63.5×170	0.15	22.5	ELXR351LGC562MDH0M		12,000	100×220	0.15	40.2	ELXR401LGC123MGN0M
	5,600	76.2×130	0.15	21.9	ELXR351LGC562MED0M	450	2,200	63.5×115	0.15	11.8	ELXR451LGC222MDB5M
	6,800	76.2×155	0.15	26.2	ELXR351LGC682MEF5M		2,700	63.5×130	0.15	13.7	ELXR451LGC272MDD0M
	8,200	76.2×170	0.15	30.0	ELXR351LGC822MEH0M		2,700	76.2×115	0.15	14.5	ELXR451LGC272MEB5M
	8,200	89×155	0.15	29.2	ELXR351LGC822MFF5M		3,300	63.5×155	0.15	16.5	ELXR451LGC332MDF5M
	10,000	89×170	0.15	33.7	ELXR351LGC103MFH0M		3,300	76.2×130	0.15	16.9	ELXR451LGC332MED0M
	12,000	100×190	0.15	37.8	ELXR351LGC123MGK0M		3,900	63.5×170	0.15	18.7	ELXR451LGC392MDH0M
	15,000	100×250	0.15	47.7	ELXR351LGC153MGR0M		4,700	76.2×155	0.15	21.7	ELXR451LGC472MEF5M
	2,700	63.5×115	0.15	13.1	ELXR401LGC272MDB5M		5,600	76.2×190	0.15	26.1	ELXR451LGC562MEK0M
	3,300	63.5×130	0.15	15.2	ELXR401LGC332MDD0M		5,600	89×155	0.15	24.1	ELXR451LGC562MFF5M
	3,900	63.5×155	0.15	17.9	ELXR401LGC392MDF5M		6,800	89×170	0.15	27.8	ELXR451LGC682MFH0M
	3,900	76.2×115	0.15	18.2	ELXR401LGC392MEB5M		8,200	89×190	0.15	32.0	ELXR451LGC822MFK0M
	4,700	63.5×170	0.15	20.5	ELXR401LGC472MDH0M		10,000	100×220	0.15	36.8	ELXR451LGC103MGN0M
	4,700	76.2×130	0.15	20.1	ELXR401LGC472MED0M		12,000	100×250	0.15	42.7	ELXR451LGC123MGR0M
	5,600	76.2×155	0.15	23.8	ELXR401LGC562MEF5M						

◆ 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 reduced 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 details, please contact a representative of Nippon Chemi-Con.

Mouser Electronics

Authorized Distributor

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United Chemi-Con (UCC):

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[ELXR451LGC332MDF5M](#) [ELXR401LGC682MEH0M](#) [ELXR451LGN682MFH0M](#) [ELXR451LGC682MFH0M](#)
[ELXR401LGC472MED0M](#) [ELXR401LGN472MED0M](#) [ELXR451LGC272MDD0M](#) [ELXR451LGN562MEK0M](#)
[ELXR451LGC562MFF5M](#) [ELXR351LGC472MEB5M](#) [ELXR401LGC392MEB5M](#) [ELXR401LGN472MDH0N](#)
[ELXR451LGC222MDB5M](#) [ELXR351LGN332MDB5M](#) [ELXR351LGN472MDF5M](#) [ELXR351LGN392MDD0M](#)
[ELXR451LGN272MEB5M](#) [ELXR401LGN562MEF5M](#) [ELXR451LGN472MEF5M](#) [ELXR451LGN222MDB5M](#)
[ELXR451LGN332MDF5M](#)