

- **Snap Mount**
- **Large Capacitance**
- **5,000 Hours Extended Life**
- **+105°C Maximum Temperature**



The LXG series capacitors are large capacitance, snap-in capacitors similar to the standard KMH but have an extended rated lifetime of 5,000 hours at 105°C with the rated ripple current applied. The LXG capacitors are available in 2 or 4-pin snap-in styles and 3 or 4-pin straight terminals with or without standoffs.

The standard LXG capacitors are non-solvent proof and are not recommended when halogenated cleaning solvents are used. Refer to the Mini-Glossary for recommended cleaning conditions.

## Summary of Specifications

- PC board 2 or 4-pin snap-in; optional 3 or 4-pin straight terminals.
- Capacitance range: 39 to 47,000µF.
- Voltage range: 10 to 450VDC.
- Operating temperature range: -40°C to +105°C for 10 to 100V; -25°C to +105°C for 200 to 400V.
- Leakage current: 0.02CV(µA) or 3mA, whichever is smaller, after 5 minutes at +20°C.
- Standard capacitance tolerance: ±20%
- Nominal case size (D×L): 22×25mm to 35×50mm.
- Rated lifetime: 5,000 hours at +105°C with the rated ripple current applied.

# LXG Series

## LXG Specifications

Item	Characteristics																																							
Operating Temperature Range	- 40 to +105°C for 10 to 100VDC; - 25 to +105°C for 200 to 400VDC																																							
Rated Voltage Range	10 to 450VDC																																							
Capacitance Range	39 to 47,000 $\mu$ F																																							
Capacitance Tolerance	$\pm$ 20% (M) at +20°C, 120Hz																																							
Leakage Current	I = 0.02CV ( $\mu$ A) or 3mA, whichever is smaller, after 5 minutes at +20°C. Where I = Leakage current ( $\mu$ A), C = Nominal capacitance ( $\mu$ F) and V = Rated voltage (V)																																							
Dissipation Factor (Tan $\delta$ )	At +20°C, 120Hz <table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63-400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Tan <math>\delta</math> (DF)</td> <td>0.60</td> <td>0.45</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.20</td> </tr> </tbody> </table>	Rated Voltage (V)	10	16	25	35	50	63-400	450	Tan $\delta$ (DF)	0.60	0.45	0.30	0.25	0.20	0.15	0.20																							
Rated Voltage (V)	10	16	25	35	50	63-400	450																																	
Tan $\delta$ (DF)	0.60	0.45	0.30	0.25	0.20	0.15	0.20																																	
Low Temperature Characteristics	At 120Hz, capacitance at the rated minimum operating temperature shall not be less than 70% of the specified value at +20°C. At 120Hz, impedance (Z) ratio between the -25°C or -40°C value and +20°C value shall not exceed the values given below. <table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>10-16</th> <th>25</th> <th>35</th> <th>50, 63</th> <th>80, 100</th> <th>200-400</th> <th>450</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(+20°C)</td> <td>4</td> <td>3</td> <td>3</td> <td>2</td> <td>2</td> <td>4</td> <td>8</td> </tr> <tr> <td>Z(-40°C)/Z(+20°C)</td> <td>15</td> <td>10</td> <td>8</td> <td>6</td> <td>5</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Rated Voltage (V)	10-16	25	35	50, 63	80, 100	200-400	450	Z(-25°C)/Z(+20°C)	4	3	3	2	2	4	8	Z(-40°C)/Z(+20°C)	15	10	8	6	5	-	-															
Rated Voltage (V)	10-16	25	35	50, 63	80, 100	200-400	450																																	
Z(-25°C)/Z(+20°C)	4	3	3	2	2	4	8																																	
Z(-40°C)/Z(+20°C)	15	10	8	6	5	-	-																																	
Impedance	At +20°C, 30kHz, impedance (Z) shall not exceed the values given in the Ratings Tables.																																							
Ripple Current Multipliers <i>Refer to Section 4 of the Mini-Glossary for explanation of Ripple Current Multipliers.</i>	Ambient Temperature (°C) <table border="1"> <thead> <tr> <th>+85°C</th> <th>+105°C</th> </tr> </thead> <tbody> <tr> <td>1.73</td> <td>1.00</td> </tr> </tbody> </table> Frequency (Hz) <table border="1"> <thead> <tr> <th>DC Rated Voltage</th> <th>50Hz</th> <th>120Hz</th> <th>300Hz</th> <th>1kHz</th> <th>10kHz</th> <th>50kHz</th> </tr> </thead> <tbody> <tr> <td>10-50V</td> <td>0.95</td> <td>1.00</td> <td>1.03</td> <td>1.05</td> <td>1.08</td> <td>1.08</td> </tr> <tr> <td>63-100V</td> <td>0.92</td> <td>1.00</td> <td>1.07</td> <td>1.13</td> <td>1.19</td> <td>1.20</td> </tr> <tr> <td>200, 250V</td> <td>0.81</td> <td>1.00</td> <td>1.17</td> <td>1.32</td> <td>1.45</td> <td>1.50</td> </tr> <tr> <td>350, 400V</td> <td>0.77</td> <td>1.00</td> <td>1.16</td> <td>1.30</td> <td>1.41</td> <td>1.43</td> </tr> </tbody> </table>	+85°C	+105°C	1.73	1.00	DC Rated Voltage	50Hz	120Hz	300Hz	1kHz	10kHz	50kHz	10-50V	0.95	1.00	1.03	1.05	1.08	1.08	63-100V	0.92	1.00	1.07	1.13	1.19	1.20	200, 250V	0.81	1.00	1.17	1.32	1.45	1.50	350, 400V	0.77	1.00	1.16	1.30	1.41	1.43
+85°C	+105°C																																							
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DC Rated Voltage	50Hz	120Hz	300Hz	1kHz	10kHz	50kHz																																		
10-50V	0.95	1.00	1.03	1.05	1.08	1.08																																		
63-100V	0.92	1.00	1.07	1.13	1.19	1.20																																		
200, 250V	0.81	1.00	1.17	1.32	1.45	1.50																																		
350, 400V	0.77	1.00	1.16	1.30	1.41	1.43																																		
Load Life	The following specifications shall be satisfied when the capacitors are restored to +20°C after subjecting them to the DC rated voltage for 5,000 hours at +105°C with the rated ripple current applied. The sum of DC voltage and peak AC voltage must not exceed the full rated voltage of the capacitors. Capacitance change: $\leq \pm 25\%$ of initial measured value Tan $\delta$ (DF) : $\leq 250\%$ of initial specified value Leakage current : $\leq$ initial specified value																																							
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to +20°C after exposing them for 500 hours at +105°C without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change: $\leq \pm 20\%$ of initial measured value Tan $\delta$ (DF) : $\leq 150\%$ of initial specified value Leakage current : $\leq$ initial specified value																																							
Others	Satisfies characteristic W of JIS C5141																																							

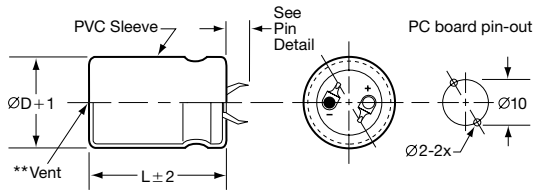
# LXG Series

## Diagram of Dimensions

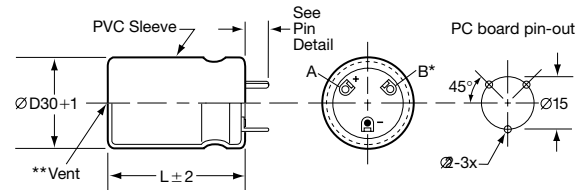
### Snap Mount

Unit: mm

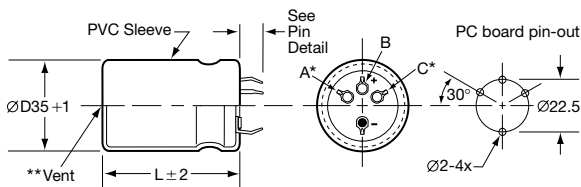
#### Types VN-T2 & VS-T2 $\varnothing 22\text{--}\varnothing 35$



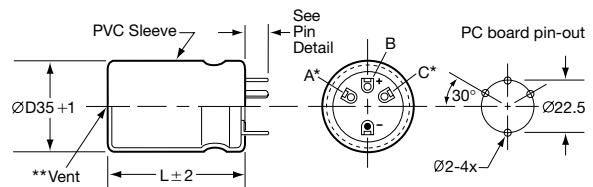
#### Type VR-T3 $\varnothing 30$



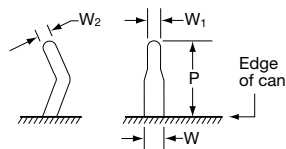
#### Types VN-T4 $\varnothing 35$



#### Type VR-T4 $\varnothing 35$



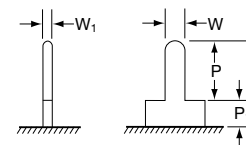
#### VN & VS Pin Dimensions



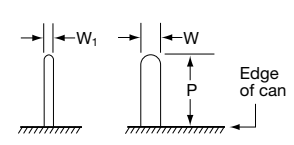
Type	P	W	W <sub>1</sub>	W <sub>2</sub>
VN-T2 $\varnothing 22\text{--}\varnothing 35$	$5.8 \pm 1.0$	$1.5 \pm 0.2$	1.0	1.0
VN-T4 $\varnothing 35$	$5.8 \pm 1.0$			
VS-T2 $\varnothing 22\text{--}\varnothing 30$	$4.0 \pm 0.5$			
VS-T2 $\varnothing 35$	$3.5 \pm 0.5$			

#### VR Pin Dimensions

##### Standoff Pin (Standard)\*\*\*



##### Straight Pin



Type	P	P <sub>1</sub>	W	W <sub>1</sub>
VR (Standoff Pin)	$3.75 \pm 1.0$	2.0 max.	$1.5 \pm 0.1$	0.7
VR (Straight Pin)	$5.50 \pm 1.0$	—		

#### CAUTION:

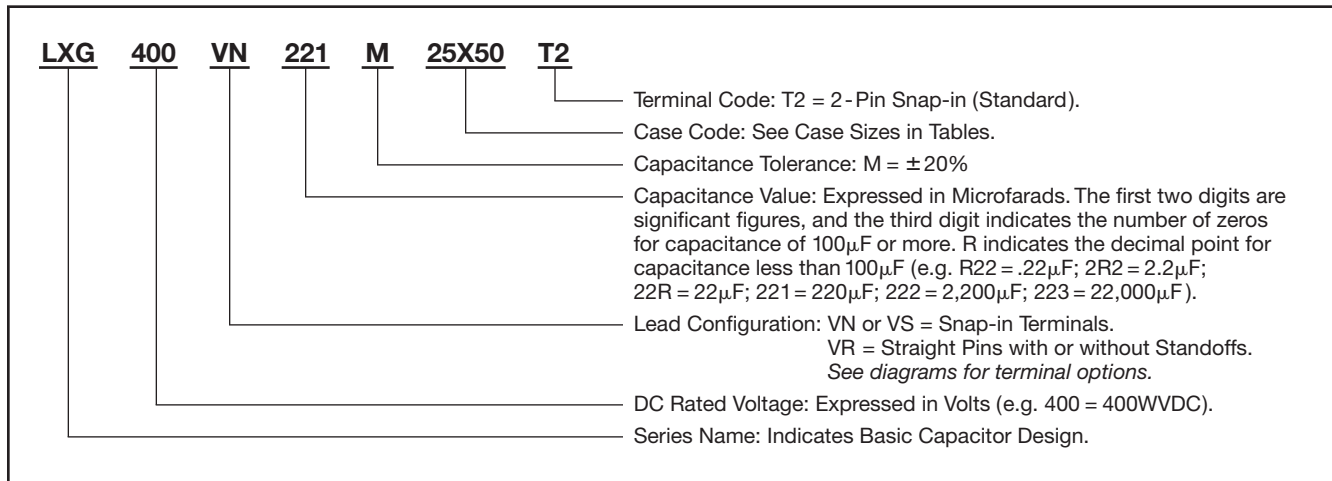
\* Use the blank terminals for mechanical support only. The blank terminals must not be connected to a solder trace on the PC board, but be electrically isolated from the negative or positive terminal.

\*\* Vent may be located either on the bottom or side of the can.

\*\*\* Please add an "H" to the end of the part number for standoffs.

# LXG Series

**Part Numbering System for LXG Series** When ordering, always specify complete catalog number for LXG Series.



## Standard Voltage Ratings - VN/Snap Mount

Rated Voltage (WVDC)	Capacitance ( $\mu$ F)	Catalog Part Number	Nominal Case Size* D x L (mm)	Maximum ESR ( $\Omega$ ) at +20°C, 120Hz	Maximum Impedance (m $\Omega$ ) at +20°C, 30kHz	Maximum Ripple Current (A rms) at +105°C, 120Hz
10 Volts 13 Volts Surge	6,800	LXG10VN682M22X25T2	22 x 25	0.146	120	1.3
	10,000	LXG10VN103M22X30T2	22 x 30	0.099	100	1.65
	12,000	LXG10VN123M22X35T2	22 x 35	0.083	80	1.85
	15,000	LXG10VN153M22X40T2	22 x 40	0.066	70	2.12
	18,000	LXG10VN183M22X50T2	22 x 50	0.055	50	2.45
	10,000	LXG10VN103M25X25T2	25.4 x 25	0.099	90	1.64
	12,000	LXG10VN123M25X30T2	25.4 x 30	0.083	70	1.85
	15,000	LXG10VN153M25X35T2	25.4 x 35	0.066	60	2.16
	18,000	LXG10VN183M25X40T2	25.4 x 40	0.055	50	2.43
	27,000	LXG10VN273M25X50T2	25.4 x 50	0.037	40	3.11
	12,000	LXG10VN123M30X25T2	30 x 25	0.083	70	1.89
	18,000	LXG10VN183M30X30T2	30 x 30	0.055	50	2.37
	22,000	LXG10VN223M30X35T2	30 x 35	0.045	40	2.73
	27,000	LXG10VN273M30X40T2	30 x 40	0.037	35	3.13
	39,000	LXG10VN393M30X50T2	30 x 50	0.026	25	3.99
	18,000	LXG10VN183M35X25T2	35 x 25	0.055	65	2.42
	22,000	LXG10VN223M35X30T2	35 x 30	0.045	45	2.79
33,000	LXG10VN333M35X35T2	35 x 35	0.03	38	3.49	
39,000	LXG10VN393M35X40T2	35 x 40	0.026	30	3.96	
47,000	LXG10VN473M35X50T2	35 x 50	0.021	23	4.62	
16 Volts 20 Volts Surge	5,600	LXG16VN562M22X25T2	22 x 25	0.133	120	1.44
	6,800	LXG16VN682M22X30T2	22 x 30	0.11	100	1.66
	8,200	LXG16VN822M22X35T2	22 x 35	0.091	80	1.87
	10,000	LXG16VN103M22X40T2	22 x 40	0.075	70	2.12
	15,000	LXG16VN153M22X50T2	22 x 50	0.05	50	2.74
	6,800	LXG16VN682M25X25T2	25.4 x 25	0.11	90	1.66
	10,000	LXG16VN103M25X30T2	25.4 x 30	0.075	70	2.07
	12,000	LXG16VN123M25X35T2	25.4 x 35	0.062	60	2.37
	15,000	LXG16VN153M25X40T2	25.4 x 40	0.05	50	2.71
	18,000	LXG16VN183M25X50T2	25.4 x 50	0.041	40	3.11
	10,000	LXG16VN103M30X25T2	30 x 25	0.075	70	2.11
	12,000	LXG16VN123M30X30T2	30 x 30	0.062	50	2.37
	18,000	LXG16VN183M30X35T2	30 x 35	0.041	40	3.02
	22,000	LXG16VN223M30X40T2	30 x 40	0.034	35	3.46
	27,000	LXG16VN273M30X50T2	30 x 50	0.028	25	4.07

\*The case sizes in table are with no sleeve, refer to diagrams for case sizes with sleeve.

LXG  
SNAP MOUNT - 105°C

# LXG Series

## Standard Voltage Ratings - VN/Snap Mount

Rated Voltage (WVDC)	Capacitance (μF)	Catalog Part Number	Nominal Case Size* D × L (mm)	Maximum ESR (Ω) at +20°C, 120Hz	Maximum Impedance (mΩ) at +20°C, 30kHz	Maximum Ripple Current (A rms) at +105°C, 120Hz
<b>16 Volts 20 Volts Surge</b>	12,000	LXG16VN123M35X25T2	35 × 25	0.062	65	2.42
	18,000	LXG16VN183M35X30T2	35 × 30	0.041	45	3.09
	22,000	LXG16VN223M35X35T2	35 × 35	0.034	38	3.49
	27,000	LXG16VN273M35X40T2	35 × 40	0.028	30	4.04
	39,000	LXG16VN393M35X50T2	35 × 50	0.019	23	5.16
<b>25 Volts 32 Volts Surge</b>	3,900	LXG25VN392M22X25T2	22 × 25	0.128	120	1.31
	4,700	LXG25VN472M22X30T2	22 × 30	0.106	100	1.51
	5,600	LXG25VN562M22X35T2	22 × 35	0.089	80	1.7
	6,800	LXG25VN682M22X40T2	22 × 40	0.073	70	1.92
	10,000	LXG25VN103M22X50T2	22 × 50	0.05	50	2.45
	4,700	LXG25VN472M25X25T2	25.4 × 25	0.106	90	1.51
	6,800	LXG25VN682M25X30T2	25.4 × 30	0.073	70	1.87
	8,200	LXG25VN822M25X35T2	25.4 × 35	0.061	60	2.14
	10,000	LXG25VN103M25X40T2	25.4 × 40	0.05	50	2.43
	12,000	LXG25VN123M25X50T2	25.4 × 50	0.041	40	2.78
	6,800	LXG25VN682M30X25T2	30 × 25	0.073	70	1.9
	8,200	LXG25VN822M30X30T2	30 × 30	0.061	50	2.15
	12,000	LXG25VN123M30X35T2	30 × 35	0.041	40	2.7
	15,000	LXG25VN153M30X40T2	30 × 40	0.033	35	3.13
	18,000	LXG25VN183M30X50T2	30 × 50	0.028	25	3.64
	8,200	LXG25VN822M35X25T2	35 × 25	0.061	65	2.19
	12,000	LXG25VN123M35X30T2	35 × 30	0.041	45	2.76
	15,000	LXG25VN153M35X35T2	35 × 35	0.033	38	3.16
18,000	LXG25VN183M35X40T2	35 × 40	0.028	30	3.61	
27,000	LXG25VN273M35X50T2	35 × 50	0.018	23	4.7	
<b>35 Volts 44 Volts Surge</b>	2,200	LXG35VN222M22X25T2	22 × 25	0.188	120	1.1
	3,300	LXG35VN332M22X30T2	22 × 30	0.126	100	1.42
	3,900	LXG35VN392M22X35T2	22 × 35	0.106	80	1.58
	4,700	LXG35VN472M22X40T2	22 × 40	0.088	70	1.78
	6,800	LXG35VN682M22X50T2	22 × 50	0.061	50	2.26
	3,300	LXG35VN332M25X25T2	25.4 × 25	0.126	90	1.41
	3,900	LXG35VN392M25X30T2	25.4 × 30	0.106	70	1.58
	5,600	LXG35VN562M25X35T2	25.4 × 35	0.074	60	1.98
	6,800	LXG35VN682M25X40T2	25.4 × 40	0.061	50	2.24
	8,200	LXG35VN822M25X50T2	25.4 × 50	0.051	40	2.57
	4,700	LXG35VN472M30X25T2	30 × 25	0.088	70	1.77
	5,600	LXG35VN562M30X30T2	30 × 30	0.074	50	1.98
	8,200	LXG35VN822M30X35T2	30 × 35	0.051	40	2.5
	10,000	LXG35VN103M30X40T2	30 × 40	0.041	35	2.86
	12,000	LXG35VN123M30X50T2	30 × 50	0.035	25	3.32
	5,600	LXG35VN562M35X25T2	35 × 25	0.074	65	2.03
	8,200	LXG35VN822M35X30T2	35 × 30	0.051	45	2.55
	10,000	LXG35VN103M35X35T2	35 × 35	0.041	38	2.88
12,000	LXG35VN123M35X40T2	35 × 40	0.035	30	3.3	
18,000	LXG35VN183M35X50T2	35 × 50	0.023	23	4.29	
<b>50 Volts 63 Volts Surge</b>	1,500	LXG50VN152M22X25T2	22 × 25	0.221	120	1.02
	1,800	LXG50VN182M22X30T2	22 × 30	0.184	100	1.17
	2,200	LXG50VN222M22X35T2	22 × 35	0.151	80	1.33
	2,700	LXG50VN272M22X40T2	22 × 40	0.123	70	1.51
	3,900	LXG50VN392M22X50T2	22 × 50	0.085	50	1.91
	1,800	LXG50VN182M25X25T2	25.4 × 25	0.184	90	1.17
	2,700	LXG50VN272M25X30T2	25.4 × 30	0.123	70	1.47
	3,300	LXG50VN332M25X35T2	25.4 × 35	0.10	60	1.7
	3,900	LXG50VN392M25X40T2	25.4 × 40	0.085	50	1.89
	5,600	LXG50VN562M25X50T2	25.4 × 50	0.059	40	2.38

\*The case sizes in table are with no sleeve, refer to diagrams for case sizes with sleeve.

# LXG Series

## Standard Voltage Ratings - VN/Snap Mount

Rated Voltage (WVDC)	Capacitance (µF)	Catalog Part Number	Nominal Case Size* D × L (mm)	Maximum ESR (Ω) at +20°C, 120Hz	Maximum Impedance (mΩ) at +20°C, 30kHz	Maximum Ripple Current (A rms) at +105°C, 120Hz
<b>50 Volts</b> 63 Volts Surge	2,700	LXG50VN272M30X25T2	30 × 25	0.123	70	1.5
	3,300	LXG50VN332M30X30T2	30 × 30	0.10	50	1.7
	4,700	LXG50VN472M30X35T2	30 × 35	0.071	40	2.11
	5,600	LXG50VN562M30X40T2	30 × 40	0.059	35	2.39
	6,800	LXG50VN682M30X50T2	30 × 50	0.049	25	2.79
	3,300	LXG50VN332M35X25T2	35 × 25	0.10	65	1.74
	4,700	LXG50VN472M35X30T2	35 × 30	0.071	45	2.16
	5,600	LXG50VN562M35X35T2	35 × 35	0.059	38	2.41
	6,800	LXG50VN682M35X40T2	35 × 40	0.049	30	2.78
10,000	LXG50VN103M35X50T2	35 × 50	0.033	23	3.57	
<b>63 Volts</b> 79 Volts Surge	1,000	LXG63VN102M22X25T2	22 × 25	0.249	120	1.0
	1,200	LXG63VN122M22X30T2	22 × 30	0.207	100	1.15
	1,500	LXG63VN152M22X35T2	22 × 35	0.166	80	1.32
	1,800	LXG63VN182M22X40T2	22 × 40	0.138	70	1.49
	2,700	LXG63VN272M22X50T2	22 × 50	0.092	50	1.92
	1,200	LXG63VN122M25X25T2	25.4 × 25	0.207	90	1.15
	1,800	LXG63VN182M25X30T2	25.4 × 30	0.138	70	1.45
	2,200	LXG63VN222M25X35T2	25.4 × 35	0.113	60	1.67
	2,700	LXG63VN272M25X40T2	25.4 × 40	0.092	50	1.9
	3,300	LXG63VN332M25X50T2	25.4 × 50	0.075	40	2.2
	1,800	LXG63VN182M30X25T2	30 × 25	0.138	70	1.48
	2,200	LXG63VN222M30X30T2	30 × 30	0.113	50	1.68
	2,700	LXG63VN272M30X35T2	30 × 35	0.092	40	1.93
	3,900	LXG63VN392M30X40T2	30 × 40	0.064	35	2.41
	4,700	LXG63VN472M30X50T2	30 × 50	0.053	25	2.8
	2,200	LXG63VN222M35X25T2	35 × 25	0.113	65	1.71
	3,300	LXG63VN332M35X30T2	35 × 30	0.075	25	2.18
	3,900	LXG63VN392M35X35T2	35 × 35	0.064	38	2.43
4,700	LXG63VN472M35X40T2	35 × 40	0.053	30	2.78	
6,800	LXG63VN682M35X50T2	35 × 50	0.037	23	3.55	
<b>80 Volts</b> 100 Volts Surge	680	LXG80VN681M22X25T2	22 × 25	0.366	150	0.97
	820	LXG80VN821M22X30T2	22 × 30	0.303	120	1.12
	1,000	LXG80VN102M22X35T2	22 × 35	0.249	95	1.27
	1,200	LXG80VN122M22X40T2	22 × 40	0.207	80	1.42
	1,800	LXG80VN182M22X50T2	22 × 50	0.138	60	1.84
	1,000	LXG80VN102M25X25T2	25.4 × 25	0.249	110	1.23
	1,200	LXG80VN122M25X30T2	25.4 × 30	0.207	85	1.39
	1,500	LXG80VN152M25X35T2	25.4 × 35	0.166	70	1.62
	1,800	LXG80VN182M25X40T2	25.4 × 40	0.138	60	1.82
	2,200	LXG80VN222M25X50T2	25.4 × 50	0.113	45	2.11
	1,200	LXG80VN122M30X25T2	30 × 25	0.207	80	1.41
	1,800	LXG80VN182M30X30T2	30 × 30	0.138	60	1.78
	2,200	LXG80VN222M30X35T2	30 × 35	0.113	50	2.05
	2,700	LXG80VN272M30X40T2	30 × 40	0.092	40	2.35
	3,300	LXG80VN332M30X50T2	30 × 50	0.075	30	2.75
	1,800	LXG80VN182M35X25T2	35 × 25	0.138	70	1.82
	2,200	LXG80VN222M35X30T2	35 × 30	0.113	50	2.09
	2,700	LXG80VN272M35X35T2	35 × 35	0.092	40	2.37
3,300	LXG80VN332M35X40T2	35 × 40	0.075	30	2.73	
4,700	LXG80VN472M35X50T2	35 × 50	0.053	25	3.46	
<b>100 Volts</b> 125 Volts Surge	390	LXG100VN391M22X25T2	22 × 25	0.638	150	0.78
	560	LXG100VN561M22X30T2	22 × 30	0.444	120	0.99
	680	LXG100VN681M22X35T2	22 × 35	0.366	95	1.12
	820	LXG100VN821M22X40T2	22 × 40	0.303	80	1.26
	1,200	LXG100VN122M22X50T2	22 × 50	0.207	60	1.6

\*The case sizes in table are with no sleeve, refer to diagrams for case sizes with sleeve.

LXG  
SNAP MOUNT - 105°C

# LXG Series

## Standard Voltage Ratings - VN/Snap Mount

Rated Voltage (WVDC)	Capacitance (μF)	Catalog Part Number	Nominal Case Size* D × L (mm)	Maximum ESR (Ω) at +20°C, 120Hz	Maximum Impedance (mΩ) at +20°C, 30kHz	Maximum Ripple Current (A rms) at +105°C, 120Hz
100 Volts 125 Volts Surge	560	LXG100VN561M25X25T2	25.4 × 25	0.444	110	0.98
	820	LXG100VN821M25X30T2	25.4 × 30	0.303	85	1.23
	1,000	LXG100VN102M25X35T2	25.4 × 35	0.249	70	1.41
	1,200	LXG100VN122M25X40T2	25.4 × 40	0.207	60	1.59
	1,500	LXG100VN152M25X50T2	25.4 × 50	0.166	45	1.86
	820	LXG100VN821M30X25T2	30 × 25	0.303	80	1.25
	1,000	LXG100VN102M30X30T2	30 × 30	0.249	60	1.42
	1,200	LXG100VN122M30X35T2	30 × 35	0.207	50	1.61
	1,500	LXG100VN152M30X40T2	30 × 40	0.166	40	1.87
	2,200	LXG100VN222M30X50T2	30 × 50	0.113	30	2.4
	1,000	LXG100VN102M35X25T2	35 × 25	0.249	70	1.45
	1,500	LXG100VN152M35X30T2	35 × 30	0.166	50	1.85
	1,800	LXG100VN182M35X35T2	35 × 35	0.138	40	2.07
	2,200	LXG100VN222M35X40T2	35 × 40	0.113	30	2.39
2,700	LXG100VN272M35X50T2	35 × 50	0.092	25	2.81	
200 Volts 250 Volts Surge	180	LXG200VN181M22X25T2	22 × 25	1.381	640	0.63
	270	LXG200VN271M22X30T2	22 × 30	0.921	560	0.81
	330	LXG200VN331M22X35T2	22 × 35	0.753	450	0.92
	390	LXG200VN391M22X40T2	22 × 40	0.638	400	1.02
	470	LXG200VN471M22X50T2	22 × 50	0.529	320	1.17
	270	LXG200VN271M25X25T2	25.4 × 25	0.921	530	0.81
	330	LXG200VN331M25X30T2	25.4 × 30	0.753	420	0.92
	470	LXG200VN471M25X35T2	25.4 × 35	0.529	360	1.15
	560	LXG200VN561M25X40T2	25.4 × 40	0.444	310	1.28
	680	LXG200VN681M25X50T2	25.4 × 50	0.366	240	1.48
	330	LXG200VN331M30X25T2	30 × 25	0.753	400	0.94
	470	LXG200VN471M30X30T2	30 × 30	0.529	320	1.15
	560	LXG200VN561M30X35T2	30 × 35	0.444	260	1.3
	680	LXG200VN681M30X40T2	30 × 40	0.366	240	1.49
	1,000	LXG200VN102M30X50T2	30 × 50	0.249	180	1.91
	470	LXG200VN471M35X25T2	35 × 25	0.529	340	1.22
	680	LXG200VN681M35X30T2	35 × 30	0.366	260	1.47
	820	LXG200VN821M35X35T2	35 × 35	0.303	210	1.65
	1,000	LXG200VN102M35X40T2	35 × 40	0.249	180	1.9
	1,200	LXG200VN122M35X50T2	35 × 50	0.207	140	2.21
250 Volts 300 Volts Surge	150	LXG250VN151M22X25T2	22 × 25	1.658	640	0.57
	180	LXG250VN181M22X30T2	22 × 30	1.381	560	0.66
	220	LXG250VN221M22X35T2	22 × 35	1.13	450	0.75
	270	LXG250VN271M22X40T2	22 × 40	0.921	400	0.85
	390	LXG250VN391M22X50T2	22 × 50	0.638	320	1.08
	180	LXG250VN181M25X25T2	25.4 × 25	1.381	530	0.66
	270	LXG250VN271M25X30T2	25.4 × 30	0.921	420	0.83
	330	LXG250VN331M25X35T2	25.4 × 35	0.753	360	0.96
	390	LXG250VN391M25X40T2	25.4 × 40	0.638	310	1.07
	470	LXG250VN471M25X50T2	25.4 × 50	0.529	240	1.22
	270	LXG250VN271M30X25T2	30 × 25	0.921	400	0.85
	330	LXG250VN331M30X30T2	30 × 30	0.753	320	0.96
	470	LXG250VN471M30X35T2	30 × 35	0.529	260	1.19
	560	LXG250VN561M30X40T2	30 × 40	0.444	240	1.35
	680	LXG250VN681M30X50T2	30 × 50	0.366	180	1.58
	330	LXG250VN331M35X25T2	35 × 25	0.753	340	1.02
	470	LXG250VN471M35X30T2	35 × 30	0.529	260	1.22
	560	LXG250VN561M35X35T2	35 × 35	0.444	210	1.36
	680	LXG250VN681M35X40T2	35 × 40	0.366	180	1.57
	1,000	LXG250VN102M35X50T2	35 × 50	0.249	140	2.02

\*The case sizes in table are with no sleeve, refer to diagrams for case sizes with sleeve.

# LXG Series

## Standard Voltage Ratings - VN/Snap Mount

Rated Voltage (WVDC)	Capacitance (μF)	Catalog Part Number	Nominal Case Size* D × L (mm)	Maximum ESR (Ω) at +20°C, 120Hz	Maximum Impedance (mΩ) at +20°C, 30kHz	Maximum Ripple Current (A rms) at +105°C, 120Hz
<b>350 Volts 400 Volts Surge</b>	68	LXG350VN68RM22X25T2	22 × 25	3.656	800	0.39
	82	LXG350VN82RM22X30T2	22 × 30	3.032	700	0.49
	100	LXG350VN101M22X35T2	22 × 35	2.486	560	0.55
	120	LXG350VN121M22X40T2	22 × 40	2.072	500	0.63
	180	LXG350VN181M22X50T2	22 × 50	1.381	390	0.73
	100	LXG350VN101M25X25T2	25.4 × 25	2.486	660	0.49
	120	LXG350VN121M25X30T2	25.4 × 30	2.072	520	0.55
	150	LXG350VN151M25X35T2	25.4 × 35	1.658	440	0.6
	180	LXG350VN181M25X40T2	25.4 × 40	1.381	380	0.72
	220	LXG350VN221M25X50T2	25.4 × 50	1.13	300	0.93
	120	LXG350VN121M30X25T2	30 × 25	2.072	500	0.56
	180	LXG350VN181M30X30T2	30 × 30	1.381	400	0.71
	220	LXG350VN221M30X35T2	30 × 35	1.13	320	0.82
	270	LXG350VN271M30X40T2	30 × 40	0.921	290	0.94
	330	LXG350VN331M30X50T2	30 × 50	0.753	220	1.19
	150	LXG350VN151M35X25T2	35 × 25	1.658	420	0.69
	220	LXG350VN221M35X30T2	35 × 30	1.13	320	0.83
	270	LXG350VN271M35X35T2	35 × 35	0.921	260	1.04
330	LXG350VN331M35X40T2	35 × 40	0.753	220	1.19	
470	LXG350VN471M35X50T2	35 × 50	0.529	170	1.38	
<b>400 Volts 450 Volts Surge</b>	56	LXG400VN56RM22X25T2	22 × 25	4.44	800	0.34
	68	LXG400VN68RM22X30T2	22 × 30	3.656	700	0.44
	82	LXG400VN82RM22X35T2	22 × 35	3.032	560	0.5
	120	LXG400VN121M22X40T2	22 × 40	2.072	500	0.57
	150	LXG400VN151M22X50T2	22 × 50	1.658	390	0.67
	68	LXG400VN68RM25X25T2	25.4 × 25	3.656	660	0.4
	100	LXG400VN101M25X30T2	25.4 × 30	2.486	520	0.5
	120	LXG400VN121M25X35T2	25.4 × 35	2.072	440	0.58
	150	LXG400VN151M25X40T2	25.4 × 40	1.658	380	0.66
	220	LXG400VN221M25X50T2	25.4 × 50	1.13	300	0.84
	100	LXG400VN101M30X25T2	30 × 25	2.486	500	0.51
	150	LXG400VN151M30X30T2	30 × 30	1.658	400	0.65
	180	LXG400VN181M30X35T2	30 × 35	1.381	320	0.74
	220	LXG400VN221M30X40T2	30 × 40	1.13	290	0.84
	270	LXG400VN271M30X50T2	30 × 50	0.921	220	1.1
	120	LXG400VN121M35X25T2	35 × 25	2.072	420	0.61
	180	LXG400VN181M35X30T2	35 × 30	1.381	320	0.83
	220	LXG400VN221M35X35T2	35 × 35	1.13	260	0.94
270	LXG400VN271M35X40T2	35 × 40	0.921	220	1.09	
390	LXG400VN391M35X50T2	35 × 50	0.638	170	1.26	
<b>450 Volts 500 Volts Surge</b>	39	LXG450VN39RM22X25T2	22 × 25	8.5	1,000	0.37
	47	LXG450VN47RM22X30T2	22 × 30	7.05	900	0.41
	56	LXG450VN56RM22X30T2	22 × 30	5.92	900	0.44
	68	LXG450VN68RM22X35T2	22 × 35	4.875	720	0.5
	82	LXG450VN82RM22X40T2	22 × 40	4.043	650	0.56
	100	LXG450VN101M22X45T2	22 × 45	3.315	600	0.64
	120	LXG450VN121M22X50T2	22 × 50	2.762	500	0.72
	56	LXG450VN56RM25X25T2	25.4 × 25	5.92	850	0.47
	68	LXG450VN68RM25X30T2	25.4 × 30	4.875	670	0.53
	82	LXG450VN82RM25X30T2	25.4 × 30	4.043	670	0.55
	100	LXG450VN101M25X35T2	25.4 × 35	3.315	570	0.63
	120	LXG450VN121M25X40T2	25.4 × 40	2.762	490	0.71
	150	LXG450VN151M25X45T2	25.4 × 45	2.21	450	0.81
	180	LXG450VN181M25X50T2	25.4 × 50	1.842	390	0.91
	82	LXG450VN82RM30X25T2	30 × 25	4.043	650	0.57
100	LXG450VN101M30X30T2	30 × 30	3.315	520	0.64	

\*The case sizes in table are with no sleeve, refer to diagrams for case sizes with sleeve.

LXG  
SNAP MOUNT - 105°C

# LXG Series

## Standard Voltage Ratings - VN/Snap Mount

Rated Voltage (WVDC)	Capacitance (μF)	Catalog Part Number	Nominal Case Size* D × L (mm)	Maximum ESR (Ω) at +20°C, 120Hz	Maximum Impedance (mΩ) at +20°C, 30kHz	Maximum Ripple Current (A rms) at +105°C, 120Hz
<b>450 Volts 500 Volts Surge</b>	120	LXG450VN121M30X30T2	30 × 30	2.762	520	0.71
	150	LXG450VN151M30X35T2	30 × 35	2.21	410	0.81
	180	LXG450VN181M30X40T2	30 × 40	1.842	290	0.92
	220	LXG450VN221M30X45T2	30 × 45	1.507	260	1.05
	120	LXG450VN121M35X25T2	35 × 25	2.762	540	0.71
	150	LXG450VN151M35X30T2	35 × 30	2.21	410	0.83
	180	LXG450VN181M35X35T2	35 × 35	1.842	330	0.93
	220	LXG450VN221M35X40T2	35 × 40	1.507	280	1.07
	270	LXG450VN271M35X45T2	35 × 45	1.228	230	1.22
	330	LXG450VN331M35X50T2	35 × 50	1.005	170	1.39

\* The case sizes in table are with no sleeve, refer to diagrams for case sizes with sleeve.