



# LXA/LX Series

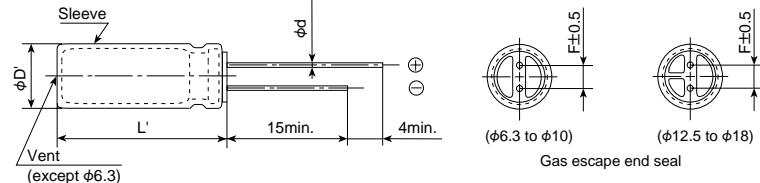
- Endurance : 105°C 5000 to 7000 hours
- Solvent-proof type (see PRECAUTIONS AND GUIDELINES)



## ◆SPECIFICATIONS

Items	Characteristics																													
Series	LXA																													
Category Temperature Range	-55 to +105°C																													
Rated Voltage Range	10 to 63V <sub>dc</sub>																													
Capacitance Tolerance	$\pm 20\%$ (M) (at 20°C, 120Hz)																													
Leakage Current	I=0.01CV or 3μA, whichever is greater. (at 20°C after 2 minutes) Where, I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)																													
Dissipation Factor (tanδ)	Rated Voltage (V <sub>dc</sub> )	10V	16V	25V	35V	50V	63V	100V	160V	200V	250V																			
	tanδ (Max.)	0.30	0.25	0.22	0.18	0.15	0.12	0.12	0.15	0.15	0.15																			
	When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase. (at 20°C, 120Hz)																													
Low Temperature Characteristics	Capacitance change $\Delta C (-10^\circ\text{C} +20^\circ\text{C}) \geq 0.8$ (at 120Hz)																													
Endurance	The following specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage is applied for the specified period of time at 105°C.																													
	Series	LXA		LX																										
	Time	7000 hours ( $\phi 12.5$ and larger)		5000 hours		5000 hours																								
	Capacitance change	$\leq \pm 30\%$ of the initial value																												
	D.F. (tanδ)	$\leq 300\%$ 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 1000 hours at 105°C without voltage applied.																													
	Series	LXA		LX																										
	Capacitance change	$\leq \pm 15\%$ of the initial value																												
	D.F. (tanδ)	$\leq 150\%$ of the initial specified value																												
	Leakage current	$\leq$ The initial specified value																												

## ◆DIMENSIONS (Radial Lead Type=VB) [mm]



φD	6.3	8	10	12.5	16	18
φd	0.5	0.6	0.6	0.6	0.8	0.8
F	2.5	3.5	5.0	5.0	7.5	7.5
φD'		$\phi D+0.5\text{max.}$				
L'	LXA	L+1.5max.				
LX	—	L+1.5max.				
		L+2.0max.				

## ◆PART NUMBERING SYSTEM

LXA	50	VB	2R2	M	Cap tolerance ( $\pm 20\%$ )	Code
					0.47μF	R47
					1.0μF	1
					4.7μF	4R7
					10μF	10
					100μF	100

Capacitor tolerance:  $\pm 20\%$   
Nominal cap code: 0.47μF, 1.0μF, 4.7μF, 10μF, 100μF  
Radial lead type: VB  
Rated voltage in volts: 50V  
Series name: LXA, LX

