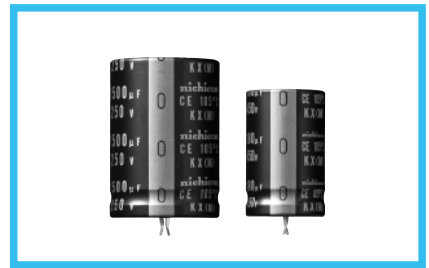


# ALUMINUM ELECTROLYTIC CAPACITORS

**KX** Snap-in Terminal Type, For Audio Equipment, of Switching Power Supplies series



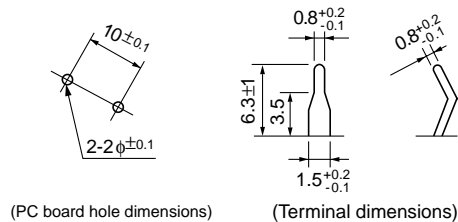
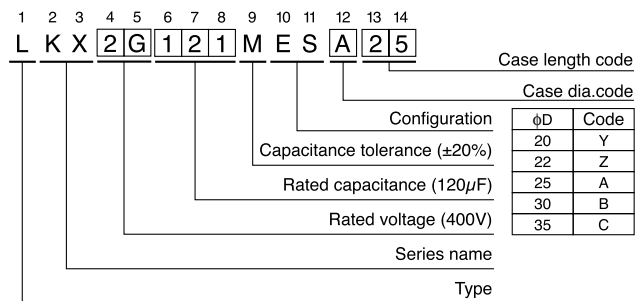
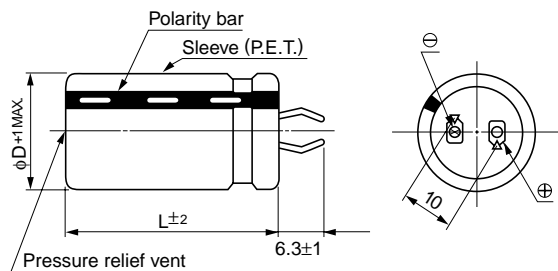
- In order to get high quality sound from 105°C standard series.
- Selected materials to achieve superior acoustic sound.
- Compliant to the RoHS directive (2002/95/EC).

## Specifications

Item	Performance Characteristics			
Category Temperature Range	- 40 to +105°C (200 • 250V), - 25 to + 105°C (400 • 450V)			
Rated Voltage Range	200 to 450V			
Rated Capacitance Range	56 to 2200μF			
Capacitance Tolerance	± 20% at 120Hz, 20°C			
Leakage Current	After 5 minutes' application of rated voltage, leakage current is not more than $3\sqrt{CV}$ (μA), [C: Rated Capacitance(μF), V: Voltage (V)]			
Tangent of loss angle (tan δ)	Rated voltage(V)	200 to 400	450	Measurement frequency : 120Hz at 20°C
	tan δ (MAX.)	0.15	0.20	
Stability at Low Temperature	Rated voltage(V)	200 to 250	400 to 450	Measurement frequency : 120Hz
	Impedance ratio ZT/Z20(MAX.)	Z - 25°C/Z+20°C Z - 40°C/Z+20°C	4 12	
Endurance	The specifications listed at right shall be met when the capacitors are restored to 20°C after the rated voltage is applied for 2000 hours at 105°C.		Capacitance change	Within ±20% of the initial capacitance value
			tan δ	200% or less than the initial specified value
			Leakage current	Less than or equal to the initial specified value
Shelf Life	After storing the capacitors under no load at 105°C for 1000 hours and then performing voltage treatment based on JIS C 5101-4 clause 4.1 at 20°C, they shall meet the specified values for the endurance characteristics listed at right.		Capacitance change	Within ±15% of the initial capacitance value
			tan δ	150% or less than the initial specified value
			Leakage current	Less than or equal to the initial specified value
Marking	Printed with gold color letter on black sleeve.			

## Drawing

Type numbering system (Example : 400 V 120μF , Dia.φ25)



(PC board hole dimensions)

(Terminal dimensions)

## Frequency coefficient of rated ripple current

Frequency (Hz)	50	60	120	300	1k	10k	50k or more
200 to 250V	0.81	0.85	1.00	1.17	1.32	1.45	1.50
400 to 450V	0.77	0.82	1.00	1.16	1.30	1.41	1.43

● Dimension table in next page.



# Mouser Electronics

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## Nichicon:

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[LKX2D152MESB50](#) [LKX2D152MESB40](#) [LKX2D182MESB45](#) [LKX2D221MESB25](#) [LKX2D222MESB50](#)  
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[LKX2D561MESB50](#) [LKX2D561MESB40](#) [LKX2D681MESA40](#) [LKX2D681MESB30](#) [LKX2D681MESB30](#)  
[LKX2D681MESB45](#) [LKX2D821MESA45](#) [LKX2D821MESB35](#) [LKX2E102MESB45](#) [LKX2E102MESB35](#)  
[LKX2E122MESB40](#) [LKX2E152MESB50](#) [LKX2E181MESB25](#) [LKX2E221MESB30](#) [LKX2E221MESB25](#)  
[LKX2E271MESB35](#) [LKX2E271MESB30](#) [LKX2E271MESB35](#) [LKX2E331MESA25](#) [LKX2E331MESB40](#)  
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