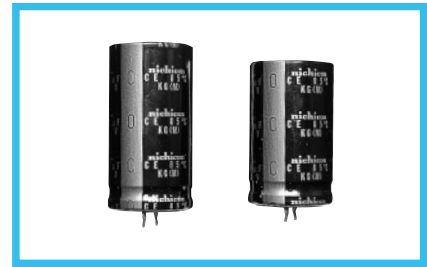
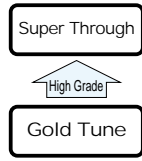


KG Lug / Snap-in Terminal Type,
For Audio Equipment
series



- Designed for high grade audio equipment, giving priority to high fidelity sound quality.
- The variation expansion of the KG series.
 - TYPE- I : The low profile high tone quality grade of the new development electrolyte adoption.
 - TYPE- II : The center grade that the best sound is provided electrode foil, with the multiple use.
 - TYPE- III : The highest tone quality grade by the low drag the gold plating terminal adoption.
- The sound quality that it meets the high tone quality needs for HD Audio equipment.
- Compliant to the RoHS directive (2002/95/EC).

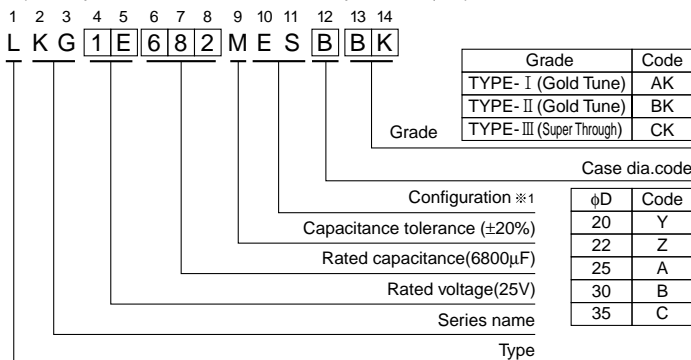


Specifications

Item	Performance Characteristics	
Category Temperature Range	- 40 to +85°C	
Rated Voltage Range	16 to 100V (TYPE- I , TYPE- II , TYPE- III)	
Rated Capacitance Range	680 to 33000μF	
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)	For capacitance of more than 22000μF, add 0.02 for every increase of 1000μF. Measurement frequency : 120Hz, Temperature : 20°C	
	TYPE	TYPE- I , TYPE- II
Stability at Low Temperature	Rated voltage(V)	16 to 100
	Impedance ratio ZT/Z20(MAX.)	Z - 25°C/Z+20°C : 4 Z - 40°C/Z+20°C : 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 1000 hours at 85°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 85°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 above.	
Marking	Printed with gold color letter on black sleeve.	

Type numbering system (Snap-in terminal type)

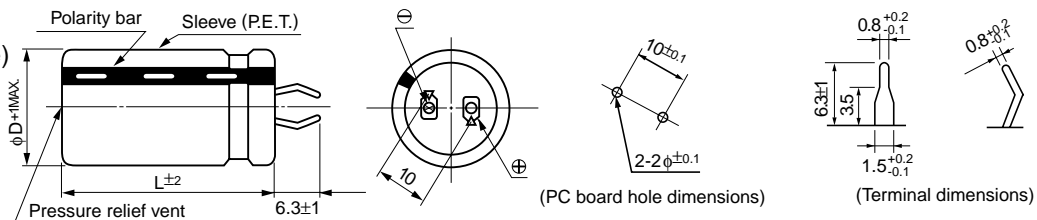
(Example : Gold Tune 25 V 6800μF, Dia.φ30)



※1 Configuration

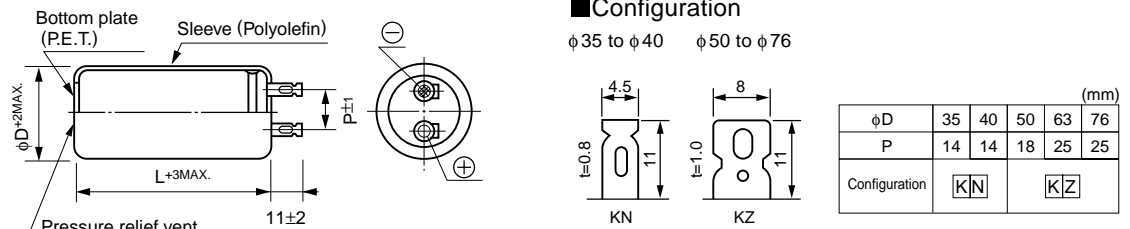
Pb-free terminal	ES
Pb-free PET sleeve	ES

(Snap-in terminal type)



※2

(Lug terminal type)



• Dimension table in next page.

CAT.8100Y

ALUMINUM ELECTROLYTIC CAPACITORS



■Dimensions (Snap-in Terminal Type : Gold Tune, Super Through)

Cap.(μF)	Code	Grade	63V (1J)					80V (1K)					100V (2A)					
			φ20	φ22	φ25	φ30	φ35	φ20	φ22	φ25	φ30	φ35	φ20	φ22	φ25	φ30	φ35	
680	681	TYPE- I	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
		TYPE- II	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
		TYPE- III	20×30 1.75	22×25 1.75	---	30×20 1.90	---	20×45 2.10	22×35 2.25	25×30 2.15	---	---	---	---	---	---	---	---
820	821	TYPE- I	---	22×20 1.30	---	---	---	20×25 1.70	25×20 1.65	---	---	---	---	20×35 1.85	22×30 1.85	25×25 1.80	30×20 1.90	---
		TYPE- II	20×25 1.65	---	25×20 1.65	---	---	20×35 2.05	22×30 2.05	25×25 2.00	30×20 2.05	---	---	20×45 2.40	22×40 2.40	---	30×25 2.35	35×20 2.45
		TYPE- III	20×35 1.90	22×30 1.90	25×25 1.85	---	---	20×50 2.40	22×40 2.45	25×35 2.35	30×25 2.40	35×20 2.55	---	---	22×50 3.00	25×40 3.00	30×30 3.00	35×25 2.85
1000	102	TYPE- I	20×25 1.45	---	---	---	---	20×30 1.80	22×25 1.85	---	---	---	---	20×40 2.05	---	---	---	---
		TYPE- II	20×30 1.85	22×25 1.85	---	---	---	20×45 2.20	22×35 2.20	25×30 2.15	---	35×20 2.10	---	---	22×45 2.70	25×35 2.75	---	---
		TYPE- III	20×40 2.10	22×35 2.05	25×30 2.00	---	---	---	22×50 2.60	25×40 2.60	30×30 2.60	---	---	---	---	25×50 3.10	30×35 3.30	35×30 3.05
1200	122	TYPE- I	---	---	25×20 1.65	---	---	20×35 1.95	22×30 1.95	25×25 1.90	30×20 2.00	---	---	20×45 2.30	22×40 2.20	25×30 2.35	30×25 2.30	35×20 2.30
		TYPE- II	20×35 1.95	22×30 1.95	25×25 1.90	30×20 1.95	---	20×50 2.45	22×40 2.45	25×35 2.40	30×25 2.40	---	---	22×50 3.00	25×40 2.75	30×30 2.75	35×25 3.05	35×20 2.90
		TYPE- III	20×45 2.35	22×40 2.25	30×25 2.20	35×20 2.30	---	---	---	25×45 2.85	30×35 2.80	35×25 2.95	---	---	---	30×40 3.60	35×35 3.60	35×30 3.30
1500	152	TYPE- I	20×30 1.90	22×25 1.90	---	---	---	20×40 2.20	22×35 2.15	25×30 2.10	---	---	---	20×50 2.65	22×45 2.60	25×35 2.60	---	---
		TYPE- II	20×40 2.15	22×35 2.15	25×30 2.10	---	---	---	22×50 2.60	25×40 2.65	30×30 2.65	---	---	---	---	25×50 3.20	30×35 3.40	35×30 3.20
		TYPE- III	---	22×45 2.60	25×35 2.65	---	---	---	---	25×50 3.30	30×40 3.20	35×30 3.25	---	---	---	---	30×50 3.90	35×40 3.75
1800	182	TYPE- I	20×35 2.05	22×30 2.00	25×25 2.00	30×20 2.05	---	20×45 2.45	22×40 2.35	---	---	---	---	22×50 2.85	25×40 2.85	30×30 2.90	35×25 2.75	35×20 2.75
		TYPE- II	20×45 2.35	22×40 2.35	30×25 2.35	35×20 2.45	---	---	25×45 2.85	30×35 2.85	35×25 3.00	---	---	---	---	30×40 3.70	35×35 3.70	35×30 3.40
		TYPE- III	---	22×50 2.90	25×40 2.90	30×30 2.90	35×25 2.75	---	---	30×45 3.55	35×35 3.50	---	---	---	---	---	35×45 4.15	35×40 3.40
2200	222	TYPE- I	20×40 2.25	22×35 2.20	25×30 2.15	30×20 2.10	---	22×45 2.70	25×35 2.75	30×30 2.55	---	---	---	---	25×45 3.20	30×35 3.20	35×30 3.00	---
		TYPE- II	---	22×45 2.70	25×35 2.75	30×30 2.50	---	---	25×50 3.25	30×40 3.15	35×30 3.25	---	---	---	---	30×50 3.95	35×40 3.80	---
		TYPE- III	---	---	25×45 3.25	30×35 3.20	---	---	---	30×50 4.05	35×40 3.90	---	---	---	---	---	35×50 4.75	---
2700	272	TYPE- I	20×50 2.40	22×40 2.45	25×35 2.35	30×25 2.50	---	---	---	30×35 2.80	35×25 3.00	---	---	---	---	30×40 3.55	35×35 3.25	35×30 3.25
		TYPE- II	---	---	25×45 2.80	30×35 2.75	35×25 2.95	---	---	30×45 3.60	35×35 3.55	---	---	---	---	---	35×45 4.30	---
		TYPE- III	---	---	---	30×45 3.30	35×30 3.65	---	---	---	35×45 4.45	---	---	---	---	---	---	---
3300	332	TYPE- I	---	22×45 2.80	25×40 2.60	30×30 2.70	---	---	25×50 3.25	30×40 3.15	35×30 3.20	---	---	---	---	30×50 3.75	---	---
		TYPE- II	---	---	25×50 3.20	30×40 3.20	35×30 3.15	---	---	30×50 4.10	35×40 3.95	---	---	---	---	---	35×50 4.95	---
		TYPE- III	---	---	---	30×50 3.80	35×35 4.00	---	---	---	35×50 5.05	---	---	---	---	---	---	---
3900	392	TYPE- I	---	---	25×45 2.85	30×35 2.85	35×25 3.00	---	---	30×45 3.45	35×35 3.40	---	---	---	---	---	35×40 4.30	---
		TYPE- II	---	---	---	30×45 3.35	35×35 3.35	---	---	---	35×45 4.35	---	---	---	---	---	---	---
		TYPE- III	---	---	---	---	35×40 4.30	---	---	---	---	---	---	---	---	---	---	---
4700	472	TYPE- I	---	---	25×50 3.20	30×40 3.10	35×30 3.20	---	---	---	30×45 3.85	35×40 3.75	---	---	---	---	35×50 4.50	---
		TYPE- II	---	---	---	30×50 3.80	---	---	---	---	35×50 4.85	---	---	---	---	---	---	---
		TYPE- III	---	---	---	---	35×50 4.50	---	---	---	---	---	---	---	---	---	---	---
5600	562	TYPE- I	---	---	---	30×45 3.45	35×35 3.40	---	---	---	35×45 4.10	---	---	---	---	---	---	---
		TYPE- II	---	---	---	---	35×40 4.35	---	---	---	---	---	---	---	---	---	---	---
6800	682	TYPE- I	---	---	---	30×50 3.90	35×40 3.75	---	---	---	---	35×50 4.65	---	---	---	---	---	---
		TYPE- II	---	---	---	---	35×50 4.60	---	---	---	---	---	---	---	---	---	---	---
8200	822	TYPE- I	---	---	---	---	35×45 4.20	---	---	---	---	---	---	---	---	---	---	---
10000	103	TYPE- I	---	---	---	---	35×50 4.80	---	---	---	---	---	---	---	---	---	---	---

Rated ripple current (Arms) at 85°C 120 Hz

■Dimensions (Lug Terminal Type : Gold Tune, Super Through)

Cap.(F)	Code	Grade	50 (1H)	63 (1J)	80 (1K)	100 (2A)						
6800	682	TYPE- I	---	---	---	40×68						
		TYPE- II	---	---	35×68	4.3	40×100	6.1	50×80	6.7	50×100	7.3
		TYPE- III	40×80	5.5	40×100	6.1	50×80	6.7	50×100	7.3		
10000	103	TYPE- I	---	---	---	40×68	5.4	40×100	6.0			
		TYPE- II	35×80	4.6	40×80	4.9	50×80	6.2	50×100	6.9		
		TYPE- III	40×100	6.1	50×80	6.2	63×80	7.6	63×100	8.3		
15000	153	TYPE- I	---	---	---	40×68	5.6	40×100	6.5	50×100	7.4	
		TYPE- II	40×80	6.1	40×100	6.7	50×100	8.4	63×80	8.7		
		TYPE- III	50×100	8.4	63×80	8.7	63×100	10.1	76×100	11.3		
22000	223	TYPE- I	40×68	5.4	40×100	6.6	50×100	7.8	63×80	9.7		
		TYPE- II	50×80	8.3	50×100	9.1	63×100	11.6	76×100	12.9		
		TYPE- III	63×80	10.5	63×100	11.6	76×100	13.7	Case size φD × L (mm)	Rated ripple		

Rated ripple current (Arms) at 85°C 120 Hz