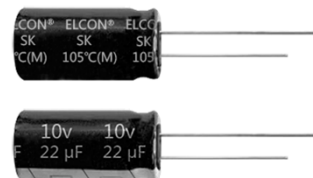


SK

Series

- Super miniature series with 7mm height
- High performance and excellent temperature characteristics
- Wide operating temperature range of -40~+105°C

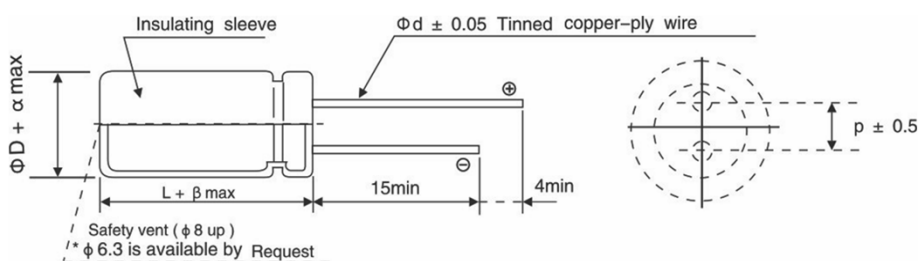


■ SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40 ~ +105℃						
Voltage Range	6.3 ~ 50V.DC						
Nominal Cap. Range	0.1 ~ 330μF						
Capacitance Tolerance	± 10 % (at 120Hz , 20℃)						
Leakage Current	I=0.01CV or 3(μA) , whichever is greater (After 2 minutes). where, I: max leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage (V) (at 20℃)						
Dissipation Factor (MAX) (tanδ) (at 120Hz , 20℃)	WV	6.3	10	16	25	35	50
	tanδ	0.25	0.21	0.17	0.15	0.12	0.10
Low Temp. Impedance Stability at 120Hz	WV		6.3	10	16~25	35~50	
	Z-25℃ / Z+20℃		4	3	2	2	
	Z-40℃ / Z+20℃		8	6	4	3	
Endurance	After 1000 hours application of DC rated working voltage at 105℃, the capacitor shall meet the following limits.						
	Capacitance change			≤ ±25% of the initial value			
	Dissipation Factor			≤ 200% of the initial specified			
	Leakage Current			≤ the initial specified value			
Shelf Life	After storage for 500 hours at 105℃ with no voltage applied, voltage treatment of JIS-C-5102 article 4-4 is to be given and then measurement shall be made, at which time requirements specified in the table "High Temperature Loading" can be met.						

Note: Some cleaning solvents may adversely affect the capacitors, Consult us about the suitable type of cleaning solvents to be used.

■ DRAWING



Unit: (mm)

ΦD	4	5	6.3	8
P	1.5	2.0	2.5	3.5
Φd	0.45			0.5
β	1.0			
α	0.5			

■ MULTIPLIER FOR RIPPLE CURRENT

(1) Frequency Coefficient

Freq.(Hz)	60(50)	120	500	1K	10K
Cap.(µF)					
0.1~47	0.80	1.00	1.25	1.45	1.50
100~330	0.80	1.00	1.20	1.30	1.35

(2) Temperature Coefficient

Ambient Temperature(°C)	40	60	70	85	105
Coefficient	2.00	1.80	1.60	1.40	1.00