SK

Series

■STANDARD RATINGS

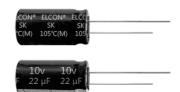
WV(vdc) Paranteles	6.3		10		16		25		35		50	
	ФDxL (mm)	Ripple Current (mArms) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mArms) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mArms) 105°C 120Hz	ФDxL (mm)	Ripple Current (mArms) 105°C 120Hz	ФDxL (mm)	Ripple Current (mArms) 105°C 120Hz	ΦDxL (mm)	Ripple Current (mArms) 105°C 120Hz
0.1											4x7	1
0.22											4x7	2
0.33											4x7	3
0.47											4x7	5
1.0											4x7	10
2.2											4x7	15
3.3											4x7	20
4.7							4x7	17	4x7	22	5x7	23
10					4x7	26	5x7	28	5x7	30	6.3x7	35
22	4x7	30	5X7	36	5x7	39	6.3x7	51	6.3x7	57	6.3x7	65
33	5x7	40	5x7	43	6.3x7	57	6.3x7	65	6.3x7	73	6.3x7	81
47	5x7	48	5x7	65	6.3x7	70	6.3x7	71	6.3x7	80		
100	6.3x7	72	6.3x7	82	6.3x7	85						
220	6.3x7	87	6.3x7	141								
330	8x7	103										

ELCON

SK

Series

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

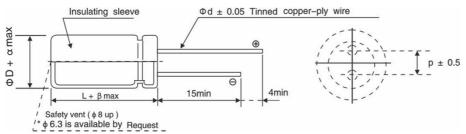


■SPECIFICATIONS

Item	Characteristics										
Category Temperature Range	-40 ~ +105 °C										
Voltage Range	6.3 ~ 50V.DC										
Nominal Cap. Range	0.1 ~ 330μF										
Capacitance Tolerance ± 10 % (at 120Hz , 20°C)											
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°C)										
Dissipation Factor (MAX)	WV	6.3	10	16	25	35	50				
(tanδ) (at 120Hz , 20°C)	tanδ	0.25	0.21	0.17	0.15	0.12	0.10				
Low Temp. Impedance	WV		6.3	10	16~25	35~50					
Stability at 120Hz	Z-25°C /	Z-25°C / Z+20°C		3	2	2					
J. 120.12	Z-40°C /	Z+20°C	8	6	4	3					
	After 1000 hours application of DC rated working voltage at 105° C, the capacitor shall meet the following limits.										
Endurance	Capacitar	≤ ±25% of the initial value									
	Dissipation	≤ 200% of the initial specified									
	Leakage Current ≤ the initial specified value										
Shelf Life	After storage for 500 hours at 105°C 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	1)							
ФD	4 5 6.3			8				
Р	1.5	2.0	2.5	3.5				
Фd		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(℃)	40	60	70	85	105
Coefficient	2.00	1.80	1.60	1.40	1.00