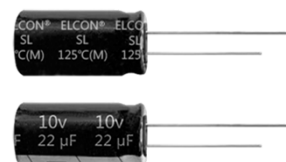


## SL

## Series

- Super miniature series with 7mm height
- High performance and excellent temperature characteristics
- Wide operating temperature range of -40~+125°C

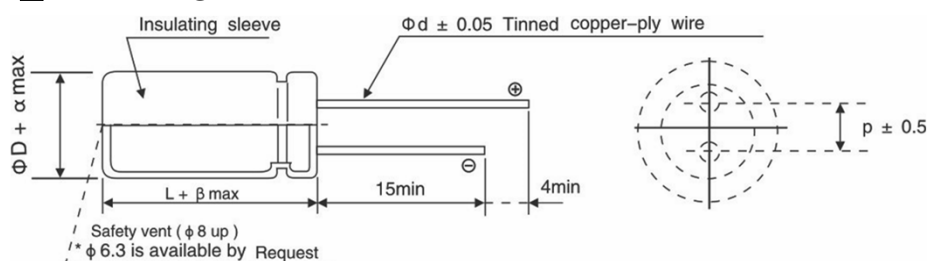


## ■ SPECIFICATIONS

Item	Characteristics						
Category Temperature Range	-40 ~ +125℃						
Voltage Range	6.3 ~ 50V.DC						
Nominal Cap. Range	0.1 ~ 220μF						
Capacitance Tolerance	± 20 % (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	0.22	0.20	0.16	0.14	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 125℃, the capacitor shall meet the following limits.						
	Capacitance change		≤ ±30% of the initial value				
	Dissipation Factor		≤ 300% of the initial specified				
	Leakage Current		≤ the initial specified value				
Shelf Life	After storage for 500 hours at 125℃ 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)	120	1K	10K	100K
Cap.(μF)				
0.1~4.7	0.40	0.75	0.90	1.00
10~220	0.50	0.85	0.94	1.00

## (2) Temperature Coefficient

Ambient Temperature(°C)	40	60	70	85	125
Coefficient	2.00	1.80	1.60	1.40	1.00

SL Series

STANDARD RATINGS

WV(vdc)  Parameter  Cap.(μF)	6.3		10		16		25		35		50	
	ΦDxL (mm)	Ripple Current (mAmps)  125°C 100KHz	ΦDxL (mm)	Ripple Current (mAmps)  125°C 100KHz	ΦDxL (mm)	Ripple Current (mAmps)  125°C 100KHz	ΦDxL (mm)	Ripple Current (mAmps)  125°C 100KHz	ΦDxL (mm)	Ripple Current (mAmps)  125°C 100KHz	ΦDxL (mm)	Ripple Current (mAmps)  125°C 100KHz
0.1											4x7	1
0.22											4x7	2
0.33											4x7	3
0.47											4x7	5
1.0											4x7	20
2.2											5x7	35
3.3											6.3x7	50
4.7							5x7	45	5x7	60	6.3x7	65
10					5x7	40	6.3x7	60	6.3x7	85	8x7	80
22	4x7	30	5x7	35	6.3x7	45	6.3x7	85	6.3x7	95	8x7	95
33	5x7	35	6.3x7	40	6.3x7	60	6.3x7	95	8x7	110	8x7	110
47	5x7	40	6.3x7	45	6.3x7	85	8x7	110	8x7	125		
100	6.3x7	45	6.3x7	60	6.3x7	95	8x7	125				
220	8x7	60	8x7	85								