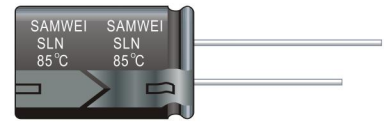


SLN SERIES (85°C Low Noise Purpose低噪音)

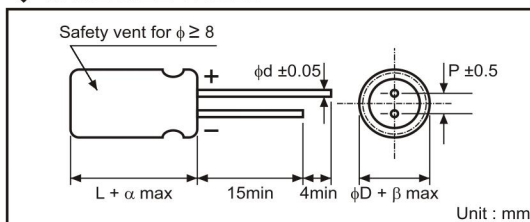
- Stable performance, low leakage current, low noise.
- Suit for use in high stable circuits of audio devices and measuring instrument etc.



◆ SPECIFICATIONS

Item	Performance Characteristics																												
Operating temperature range	-40 to +85°C																												
Rated Working Voltage Range	6.3 to 100V																												
Nominal Capacitance Range	0.47 to 47μF																												
Capacitance Tolerance	±20(120Hz, +20°C)																												
Leakage Current	I ≤ 0.002CV or 0.8(μA) whichever is greater measured after 2minutes application of with rated working voltage at +20 °C																												
Dissipation Factor tan δ(120Hz, +20°C)	<table border="1"> <tr> <th>Working Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> <tr> <td>tan δ(max)</td> <td>0.22</td> <td>0.2</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> <td>0.10</td> </tr> </table>		Working Voltage(V)	6.3	10	16	25	35	50	63	100	tan δ(max)	0.22	0.2	0.17	0.15	0.12	0.10	0.10	0.10									
Working Voltage(V)	6.3	10	16	25	35	50	63	100																					
tan δ(max)	0.22	0.2	0.17	0.15	0.12	0.10	0.10	0.10																					
Low Temperature Characteristics	Impedance ratio max at 120Hz <table border="1"> <tr> <th>Working Voltage(V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> <tr> <td>Z-25°C/Z+20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C/Z+20°C</td> <td>5</td> <td>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>		Working Voltage(V)	6.3	10	16	25	35	50	63	100	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2	Z-40°C/Z+20°C	5	6	4	4	4	4	4	4
Working Voltage(V)	6.3	10	16	25	35	50	63	100																					
Z-25°C/Z+20°C	4	3	2	2	2	2	2	2																					
Z-40°C/Z+20°C	5	6	4	4	4	4	4	4																					
High Temperature Loading	Test conditions Duration : 1000 hours Ambient temp : +85°C Applied vlotage:Rated DC working voltage	Post test requirements at +20°C Leakage current : ≤ Initial specified value Cap . Change : ≤ ±20%of Initial measured value tan δ : ≤ 150% of Initial specified value																											
Shelf Life	Test conditions Duration :500 hours Ambient temp : +85°C Applied vlotage:(None)	Post test requirements at +20°C Leakage current : ≤ Initial specified value Cap . Change : ≤ ±20%of Initial measured value tan δ : ≤ 150% of Initial specified value																											

◆ CASE SIZE TABLE



φD	5	6.3	8	10	12.5	16
P	2.0	2.5	3.5	5.0	5.0	7.5
φd	0.5	0.5	0.5	0.6	0.6	0.8
α	(L < 20)1.5		(L ≥ 20)2.0			
β	(D < 20)0.5		(D ≥ 20)1.0			

◆ RIPPLE CURRENT MULTIPLIER

(1) Frequency Coefficient

cap(μf)	50	120	300	1k	10k~
≤47	0.75	1.00	1.35	1.57	2.00

(2) Tmperature Coefficient

Tmperatu	-55	60	70	85	
FACTOR	2.23	2.17	2.00	1.75	

◆ DIMENSIONS

Voltage	6.3V	10V	16V	25V	35V	50V	63V	100V
Cap(μF)	Size	Size	Size	Size	Size	Size	Size	Size
0.47						5*11.5		5*11.5
1						5*11.5	5*11.5	6.3*11.5
2.2						5*11.5	5*11.5	6.3*11.5
3.3				5*11.5		6.3*11.5	6.3*11.5	8*13.5
4.7				5*11.5		6.3*11.5	8*13.5	10*13.5
10			5*11.5	6.3*11.5		8*13.5	8*13.5	
22	6.3*11.5	6.3*11.5	6.3*11.5	8*13.5	10*13.5	10*13.5		
33	6.3*11.5	6.3*11.5	8*13.5	8*13.5	10*13.5			
47	6.3*11.5	8*13.5	8*13.5	10*13.5				

Maximum Allowable Ripple Current (mA rms) at 85°C 120Hz

Case Size φD X L (mm)