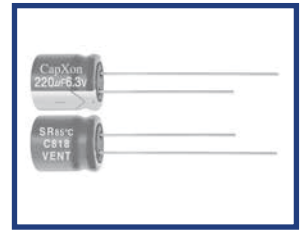


SR Series 7mm 85°C

Features

- ◆ Design for audio equipment.
- ◆ Lineally suited for very compact audio products.
- ◆ RoHS Compliant



Specifications

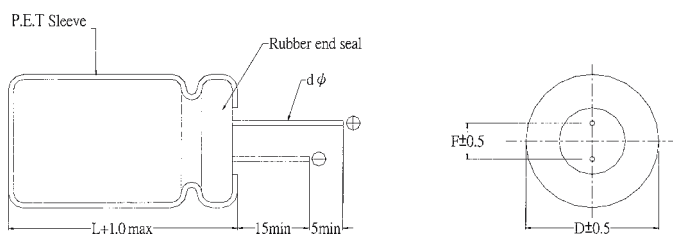
Item	Performance Characteristics																					
Operating Temperature Range	-40~+85°C																					
Rated Voltage Range	6.3~50 VDC																					
Capacitance Range	0.1 to 220 µ F																					
Capacitance Tolerance	±20%(120Hz,+20°C)																					
Leakage Current (+20°C,max.)	I=0.01 CV or 3 (µ A) (After 2 minute with rated working voltage applied.)																					
Dissipation Factor (tan δ , at 20°C , 120Hz)	<table border="1"> <tr> <td>Working Voltage(VDC)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>D.F.(%)max.</td> <td>24</td> <td>20</td> <td>16</td> <td>14</td> <td>12</td> <td>10</td> </tr> </table>	Working Voltage(VDC)	6.3	10	16	25	35	50	D.F.(%)max.	24	20	16	14	12	10							
	Working Voltage(VDC)	6.3	10	16	25	35	50															
D.F.(%)max.	24	20	16	14	12	10																
Low Temperature Characteristics (at 120Hz)	Impedance ratio max																					
	<table border="1"> <tr> <td>Working voltage(VDC)</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </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> </tr> <tr> <td>Z-40°C / Z+20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table>	Working voltage(VDC)	6.3	10	16	25	35	50	Z-25°C / Z+20°C	4	3	2	2	2	2	Z-40°C / Z+20°C	8	6	4	4	3	3
	Working voltage(VDC)	6.3	10	16	25	35	50															
Z-25°C / Z+20°C	4	3	2	2	2	2																
Z-40°C / Z+20°C	8	6	4	4	3	3																
Endurance	Test condition Duration time :1000 Hrs Ambient temperature :+85°C Applied voltage :Rated DC working voltage After test requirement at +20°C Capacitance change : ≤ ±20% of the initial measured value Dissipation factor : ≤ 200% of the initial specified value Leakage current : ≤ The initial specified value																					
Shelf Life	Test condition Duration time :1000 Hrs Ambient temperature :+85°C Applied voltage :None After test requirement at +20°C:Same limits as Endurance. Pre-treatment for measurements shall be conducted after application of DC working voltage for 30 minutes.																					

For Audio Equipment

Multiplier for Ripple Current vs. Frequency

CAP(µ F)\Frequency(Hz)	50	120	300	1K	10K
Multiplier	0.70	1.00	1.17	1.36	1.50

Diagram of Dimension:(unit:mm)



D φ	4	5	6.3
F	1.5	2.0	2.5
d φ	0.45		0.50

Case Size

φ D×L(mm)

Cap(μF)	WV	6.3		10		16		25		35		50	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1												4×7	1.1
0.22												4×7	2.6
0.33												4×7	3.5
0.47												4×7	5.0
1												4×7	10
2.2												4×7	18
3.3												4×7	23
4.7										4×7	23	4×7	26
10						4×7	28	4×7	29	4×7	31	5×7	35
22		4×7	34	4×7	35	4×7	39	5×7	49	5×7	49	6.3×7	58
33		4×7	40	4×7	45	5×7	55	5×7	55	6.3×7	65		
47		4×7	47	5×7	59	5×7	65	6.3×7	71				
100		5×7	76	6.3×7	88	6.3×7	98						
220		6.3×7	124										

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