

SR Series 7mm 85°C

Features

- ◆ Design for audio equipments
- ◆ Lineally suited for very compact audio products
- ◆ RoHS compliance.



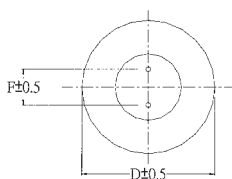
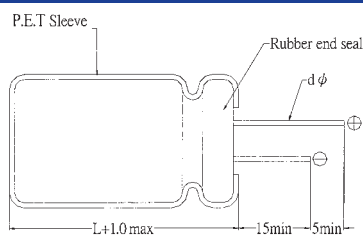
Specifications

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.)	$I \leq 0.01CV$ or 3(μA) After 2 minutes 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							
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D.F.(%)max.	24	20	16	14	12	10																
Low Temperature Characteristics (at 120Hz)	Impedance ratio max																					
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Z-40°C / Z+20°C	8	6	4	4	3	3																
Endurance	Test condition Duration time :1000Hrs Ambient temperature :+85°C Applied voltage :Rated DC working voltage After test requirements 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 :1000Hrs 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.																					

Multiplier for Ripple Current vs. Frequency

CAP(μ F)\Frequency(Hz)	50	120	300	1K	10K
CAP≤10	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

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /85°C /120Hz)
6.3	22	4x7	34
6.3	33	4x7	40
6.3	47	4x7	47
6.3	100	5x7	76
6.3	220	6.3x7	124
10	22	4x7	35
10	33	4x7	45
10	47	5x7	59
10	100	6.3x7	88
16	10	4x7	28
16	22	4x7	39
16	33	5x7	55
16	47	5x7	65
16	100	6.3x7	98
25	10	4x7	29
25	22	5x7	49

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /85°C /120Hz)
25	33	5x7	55
25	47	6.3x7	71
35	4.7	4x7	23
35	10	4x7	31
35	22	5x7	49
35	33	6.3x7	65
50	0.1	4x7	1.1
50	0.22	4x7	2.6
50	0.33	4x7	3.5
50	0.47	4x7	5
50	1	4x7	10
50	2.2	4x7	18
50	3.3	4x7	23
50	4.7	4x7	26
50	10	5x7	35
50	22	6.3x7	58