

SW Series 5mm 85°C

Features

- ◆ Design for audio equipment.
- ◆ RoHS Compliant



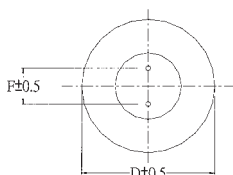
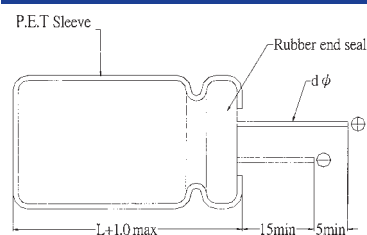
Specifications

Item	Performance Characteristics																								
Operating Temperature Range	-40~+85°C																								
Rated Voltage Range	4~50 VDC																								
Capacitance Range	0.1 to 470 µF																								
Capacitance Tolerance	±20%(120Hz,+20°C)																								
Leakage Current (+20°C,max.)	I=0.01 CV or 3 (µA) (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>4</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>35</td> <td>24</td> <td>20</td> <td>16</td> <td>14</td> <td>12</td> <td>10</td> </tr> </table>	Working Voltage(VDC)	4	6.3	10	16	25	35	50	D.F.(%)max.	35	24	20	16	14	12	10								
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D.F.(%)max.	35	24	20	16	14	12	10																		
Low Temperature Characteristics (at 120Hz)	Impedance ratio max																								
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	Working voltage(VDC)	4	6.3	10	16	25	35	50																	
Z-25°C / Z+20°C	7	4	3	2	2	2	2																		
Z-40°C / Z+20°C	15	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.																								

Multiplier for Ripple Current vs. Frequency

CAP(µF)\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	8
F	1.5	2.0	2.5	3.5
d φ	0.45		0.50	

Case Size

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /85°C /120Hz)
4	33	4x5	30
4	47	4x5	33
4	100	5x5	54
4	220	6.3x5	87
4	330	8x5	143
4	470	8x5	185
6.3	22	4x5	26
6.3	33	5x5	37
6.3	47	5x5	42
6.3	100	6.3x5	67
6.3	220	8x5	112
6.3	330	8x5	170
10	22	5x5	33
10	33	5x5	40
10	47	6.3x5	49
10	100	8x5	80
10	220	8x5	136
16	10	4x5	21
16	22	5x5	36
16	33	6.3x5	47
16	47	6.3x5	58
16	100	8x5	92

WV (Vdc)	Cap (µF)	Size (mm)	Rated Ripple current (mA _{rms} /85°C /120Hz)
25	4.7	4x5	15
25	10	5x5	27
25	22	6.3x5	43
25	33	6.3x5	52
25	47	8x5	70
25	100	8x5	109
35	3.3	4x5	13
35	4.7	4x5	18
35	10	5x5	29
35	22	6.3x5	46
35	33	8x5	62
35	47	8x5	81
50	0.1	4x5	1.2
50	0.22	4x5	2.3
50	0.33	4x5	3
50	0.47	4x5	3.9
50	1	4x5	7.3
50	2.2	4x5	11
50	3.3	4x5	15
50	4.7	5x5	20
50	10	6.3x5	31
50	22	8x5	52
50	33	8x5	70