

### S5

Low Profile Series

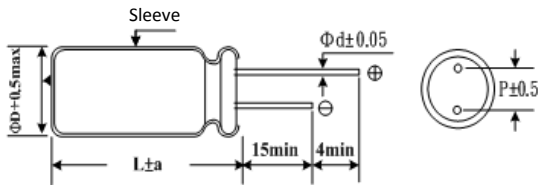
- Endurance: 105°C 1000hours
- Recommended Applications :Applicable for VTR,Camera,Car Audio,Miniaudio and other industrial/commercial applications
- Corresponding product to RoHS



### SPECIFICATIONS

Item	Characteristics																						
Category Temperature Range	-40 ~ +105°C																						
Rated Voltage Range	6.3 ~ 50VDC																						
Rated Capacitance Range	1 ~ 470 $\mu$ F																						
Capacitance Tolerance	$\pm 20\%$ at 120Hz, 20°C																						
Leakage Current (20°C)	I=0.01CV or 3( $\mu$ A) whichever is greater.(After rated voltage applied for 2 minutes) I : Max. leakage current ( $\mu$ A), C : Nominal capacitance ( $\mu$ F), V : Rated voltage (V)																						
Dissipation Factor(MAX) (tan $\delta$ ) (120Hz, 20°C)	<table border="1"> <tr> <td>WV</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>tan <math>\delta</math></td> <td>0.24</td> <td>0.20</td> <td>0.17</td> <td>0.15</td> <td>0.12</td> <td>0.10</td> </tr> </table>	WV	6.3	10	16	25	35	50	tan $\delta$	0.24	0.20	0.17	0.15	0.12	0.10								
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Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <tr> <td rowspan="3">Z(120Hz)</td> <td>WV</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>	Z(120Hz)	WV	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
Z(120Hz)	WV		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	After apply rated voltage for 1000 hours at 105°C,the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance change</td> <td>Within <math>\pm 20\%</math> of initial value</td> </tr> <tr> <td>D.F. (tan <math>\delta</math>)</td> <td>Not more than 200% of specified value</td> </tr> <tr> <td>Leakage current</td> <td>initial specified value or less</td> </tr> </table>	Capacitance change	Within $\pm 20\%$ of initial value	D.F. (tan $\delta$ )	Not more than 200% of specified value	Leakage current	initial specified value or less																
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Shelf Life	After placed at 105°C without voltage applied for 500 hours,the capacitors shall meet the sane requirement as Endurance.																						

### Dimensions [mm]



ΦD	4.0	5.0	6.3	8.0
P	1.5	2.0	2.5	3.5
Φd	0.45			
a	1.0			

Notes : 8 Φ have ven

### Multiplier for Ripple Current

Freq. (Hz)	120	300	1K	10K
1~47 $\mu$ F	1.00	1.20	1.30	1.50
100~330 $\mu$ F	1.00	1.10	1.15	1.20

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap ( $\mu$ F)	Case size $\Phi$ DxL(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)						
6.3 (8)	10	4x5	0.24	18	16 (20)	47	5x5	0.17	54						
	22	4x5	0.24	28			6.3x5	0.17	58						
	33	4x5	0.24	33			6.3x5	0.17	85						
	47	4x5	4x5	0.24	35	25 (32)	100	4x5	0.15	16					
			5x5	0.24	45			4.7	4x5	0.15	20				
	100	5x5	5x5	0.24	55			10	4x5	0.15	27				
			6.3x5	0.24	70			22	6.3x5	0.15	42				
	220	6.3x5	0.24	90	33			5x5	5x5	0.15	45				
330	8x5	6.3x5	0.24	115					6.3x5	0.15	53				
		8x5	0.24	100					5x5	0.15	55				
10 (13)	10	4x5	0.20	20	6.3x5			0.15	65	35 (44)	100	4.7	4x5	0.12	18
	22	5x5	0.20	33	10			5x5	0.12			30			
	33	4x5	4x5	0.20	34			22	6.3x5	6.3x5	0.12	48			
			5x5	0.20	41	50 (63)	1.0			4x5	0.10	9			
	47	5x5	0.20	46	2.2			4x5	0.10	13					
	68	6.3x5	0.20	54	3.3			4x5	0.10	17					
100	6.3x5	0.20	80	4.7	4x5			0.10	17						
16 (20)	4.7	4x5	0.17		20	5x5	0.10	20							
		10	4x5	0.17	23	10	6.3x5	0.10	33						
		22	4x5	0.17	29	22	6.3x5	0.1	55						
22	5x5	0.17	37												
33	5x5	5x5	0.17	44											
		6.3x5	0.17	49											

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)