

Jamicon Series : ST

Teapo Series : S5 Low Profile Series

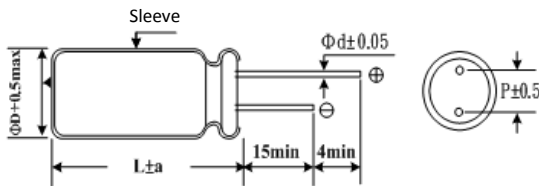
- Endurance: 105°C 1000hours
- Recommended Applications :Applicable for VTR,Camera,Car Audio,Miniaudio and other industrial/commrecial applications
- Corresponding product to RoHS



■ SPECIFICATIONS

Item	Characteristics																						
Category Temperature Range	-40~ +105°C																						
Rated Voltage Range	6.3 ~ 50VDC																						
Rated Capacitance Range	1 ~ 470 μ F																						
Capacitance Tolerance	\pm 20 % at 120Hz , 20°C																						
Leakage Current (20°C)	I=0.01CV or 3(μ A) whichever is greater.(After rated voltage applied for 2 minutes) I : Max. leakage current (μ A), C : Nominal capacitance (μ F), V : Rated voltage (V)																						
Dissipation Factor(MAX) (tan δ) (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 δ</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 δ	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) Z-25°C / Z+20°C Z-40°C / Z+20°C</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></td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td></td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> </tr> </table>	Z(120Hz) Z-25°C / Z+20°C Z-40°C / Z+20°C	WV	6.3	10	16	25	35	50		4	3	2	2	2	2		8	6	4	4	3	3
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Endurance	After applying rated voltage with ripple current for 1000 hours at 105°C , the capacitors shall meet the following requirements. <table border="1"> <tr> <td>Capacitance change</td> <td>Within \pm 25% of initial value</td> </tr> <tr> <td>D.F. (tan δ)</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 25% of initial value	D.F. (tan δ)	Not more than 200% of specified value	Leakage current	initial specified value or less																
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Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 500 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to item 4.1 of JIS C 5101-4.																						

■ 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 μ F	1.00	1.20	1.30	1.50
100~470 μ F	1.00	1.10	1.15	1.20

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■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	$\tan \delta$	Ripple current (mA/rms105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(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		
	10 (13)	47	4x5	0.24	35	25 (32)	100	4x5	0.15	16	
			5x5	0.24	45			4.7	4x5	0.15	20
		100	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	0.15
		330	8x5	0.24	115			6.3x5		0.15	53
470		8x5	0.24	100	47			5x5		0.15	55
16 (20)		10	4x5	0.20	20			6.3x5	0.15	65	
	22	5x5	0.20	33	100			8x5	0.15	90	
	33	4x5	0.20	34	35 (44)	4.7	4x5	0.12	18		
		5x5	0.20	41			10	5x5	0.12	30	
	47	5x5	0.20	46			22	6.3x5	0.12	48	
	68	6.3x5	0.20	54	50 (63)	1.0	4x5	0.10	9		
100	6.3x5	0.20	80	2.2			4x5	0.10	13		
4.7	4x5	0.17	20	3.3			4x5	0.10	17		
10	4x5	0.17	23	4.7			4x5	0.10	17		
22	4x5	0.17	29				5x5	0.10	20		
22	5x5	0.17	37	10			6.3x5	0.10	33		
33	5x5	0.17	44	22			6.3x5	0.10	55		
	6.3x5	0.17	49								