

TA

Low impedance · Long life Series

- Endurance: 105°C 4000~10000hours
- Recommended Applications : Applicable for SMPS, Adaptor,Charger,Monitor/Computer
- Corresponding product to RoHS

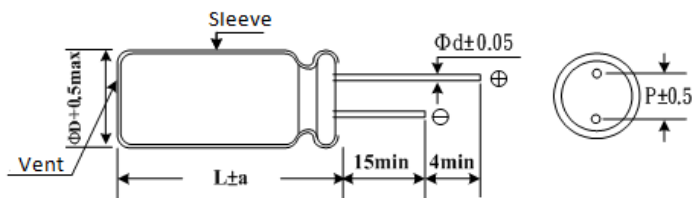
TA
↑
SY Long Life



■ SPECIFICATIONS

Item	Characteristics																																				
Category Temperature Range	-40 ~ +105°C																																				
Rated Voltage Range	6.3~100VDC																																				
Rated Capacitance Range	22 ~ 8200 μF																																				
Capacitance Tolerance	± 20 % (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> <td>63</td> <td>100</td> </tr> <tr> <td>tan δ</td> <td>0.22</td> <td>0.19</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> <td>0.08</td> </tr> </table>	WV	6.3	10	16	25	35	50	63	100	tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08																		
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tan δ	0.22	0.19	0.16	0.14	0.12	0.10	0.09	0.08																													
When nominal capacitance is over 1000 μ F, tan δ shall be added 0.02 to the listed value with increase of every 1000 μ F.																																					
Low Temperature Stability Impedance Ratio (MAX)	<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> <td>63</td> <td>100</td> </tr> <tr> <td>Z((120HZ)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></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> <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>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </table>	WV	6.3	10	16	25	35	50	63	100	Z((120HZ)									Z-25°C / Z+20°C	4	3	2	2	2	2	2	2	Z-40°C / Z+20°C	8	6	4	3	3	3	3	3
	WV	6.3	10	16	25	35	50	63	100																												
	Z((120HZ)																																				
Z-25°C / Z+20°C	4	3	2	2	2	2	2	2																													
Z-40°C / Z+20°C	8	6	4	3	3	3	3	3																													
Endurance	After applying rated voltage with rated ripple current for 4000~10000hours at 105°C, the capacitors shall meet the following requirements.																																				
	<table border="1"> <tr> <td>Capacitance change</td> <td>Within ± 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 ± 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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<table border="1"> <tr> <td>ΦD</td> <td>5~6.3Φ</td> <td>8~10Φ</td> <td>12.5~18Φ</td> </tr> <tr> <td>6.3~10(V)</td> <td>4000hrs</td> <td>6000hrs</td> <td>8000hrs</td> </tr> <tr> <td>16~100(V)</td> <td>5000hrs</td> <td>7000hrs</td> <td>10000hrs</td> </tr> </table>	ΦD	5~6.3Φ	8~10Φ	12.5~18Φ	6.3~10(V)	4000hrs	6000hrs	8000hrs	16~100(V)	5000hrs	7000hrs	10000hrs																									
ΦD	5~6.3Φ	8~10Φ	12.5~18Φ																																		
6.3~10(V)	4000hrs	6000hrs	8000hrs																																		
16~100(V)	5000hrs	7000hrs	10000hrs																																		
Shelf Life	After placed at 105°C without voltage applied for 1000 hours, the capacitors shall meet the same requirement as load life.																																				

■ Dimensions [mm]



ΦD	5	6.3	8	10	13	16	18
P	2.0	2.5	3.5	5.0	5.0	7.5	7.5
Φd	0.5	0.5	0.6	0.6	0.6	0.8	0.8
a	1.5	1.5	1.5	1.5	2.0	2.0	2.0

■ Multiplier for Ripple Current

Freq. (Hz)	120	1K	10K	100K
22 ~ 180	0.40	0.75	0.90	1.00
220 ~ 560	0.50	0.85	0.94	1.00
680 ~ 1800	0.60	0.87	0.95	1.00
2200 ~ 3900	0.75	0.90	0.95	1.00
4700 μ F Higher	0.85	0.95	0.98	1.00

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω,20°C) (100KHz)	
6.3V (8)	150	5x11	210	0.580	16V (20)	2700	16x20	2530	0.027	
	330	6.3x11	340	0.220		3300	13x35	2880	0.020	
	680	8x11	640	0.130		3900	13x40	3350	0.017	
	820	10x12.5	865	0.080			16x25	2930	0.021	
	1000	8x15	840	0.087			18x20	2860	0.026	
	10V (13)	1200	8x20	1050		0.069	4700	16x32	3450	0.017
			10x15	1210		0.060		18x25	3140	0.019
		1500	10x20	1400		0.046	5600	16x36	3610	0.015
		1800	13x16	1450		0.049		18x32	4170	0.015
		2200	10x25	1650		0.042	6800	16x40	4080	0.013
		2700	10x30	1910		0.031	8200	18x36	4220	0.014
		3300	13x20	1900		0.035		47	5x11	210
		3900	13x25	2230		0.027	100	6.3x11	340	0.220
		4700	13x30	2650		0.024	220	6.3x12	400	0.220
		5600	13x35	2880		0.020		8x11	640	0.13
			16x20	2530		0.027	330	8x15	840	0.087
6800		13x40	3350	0.017	10x12.5	865		0.080		
		16x25	2930	0.021	470	8x20	1050	0.069		
18x20		2860	0.026	10x12.5		865	0.080			
8200		16x32	3450	0.017	10x15	1210	0.060			
100		5x11	210	0.580	680	10x20	1400	0.046		
220	6.3x11	340	0.220	820	13x16	1450	0.049			
16V (20)	470	6.3x12	450	0.220	25V (32)	1000	10x25	1650	0.042	
		8x11	640	0.130		1000	10x20	1400	0.046	
	680	8x15	840	0.087			10x30	1910	0.031	
		10x12.5	865	0.080		13x20	1900	0.035		
	1000	8x16	840	0.087		1500	13x25	2230	0.027	
		10x12.5	865	0.080		1800	13x30	2650	0.024	
		8x20	1050	0.069			16x20	2530	0.027	
	1200	10x15	1210	0.060		2200	13x25	2230	0.027	
		10x20	1400	0.046			13x35	2880	0.020	
	1500	10x25	1650	0.042		2700	18x20	2860	0.026	
		13x16	1450	0.049			13x40	3350	0.017	
	2200	10x30	1910	0.031		3300	16x25	2930	0.021	
		13x20	1900	0.035			16x32	3450	0.017	
	3300	13x25	2230	0.027		3900	18x25	3140	0.019	
	3900	13x30	2650	0.024			16x36	3610	0.015	
	4700	16x20	2530	0.027		4700	18x32	4170	0.015	
13x35		2880	0.020	16x40	4080		0.013			
5600	13x40	3350	0.017	5600	18x36	4220	0.014			
	16x25	2930	0.021		18x40	4280	0.012			
18x20	2860	0.026	35V (44)	33	5x11	210	0.580			
6800	16x32	3450		0.017	56	6.3x11	340	0.220		
18x25	3140	0.019		100	6.3x11	340	0.220			
8200	16x36	3610		0.015	100	8x11	580	0.150		
	18x32	4170		0.015		150	8x11	640	0.130	
56	5x11	210		0.580	220	8x12	640	0.130		
100	5x11	210		0.580		8x15	840	0.087		
120	6.3x11	340		0.220	270	10x12.5	865	0.080		
220	6.3x11	340		0.220		8x20	1050	0.069		
330	8x11	640		0.130	330	10x15	1210	0.060		
470	8x15	840		0.087	470	10x16	1210	0.060		
	10x12.5	865		0.080		10x20	1400	0.046		
680	8x20	1050		0.069	560	13x16	1450	0.049		
	10x15	1210		0.060		10x25	1650	0.042		
1000	10x20	1400		0.046	680	10x30	1910	0.031		
	13x16	1450		0.049		13x20	1900	0.035		
1200	10x25	1650	0.042	1000	13x20	1900	0.035			
1500	10x30	1910	0.031		13x25	2230	0.027			
	13x20	1900	0.035	1200	13x30	2650	0.024			
2200	13x20	1900	0.035		16x20	2530	0.027			
	13x25	2230	0.027	1500	13x35	2880	0.020			
2700	13x30	2650	0.024	1800	13x40	3350	0.017			

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	Ripple current (mA/rms105°C) (100KHz)	Impedance (Ω,20°C) (100KHz)	
35V (44)	1800	16x25	2930	0.021	63V (79)	120	8x20	362	0.330	
		18x20	2860	0.026			10x16	357	0.310	
	2200	16x25	2930	0.021		180	10x20	466	0.210	
		16x32	3450	0.017			13x16	466	0.230	
		18x25	3140	0.019		220	10x25	531	0.200	
	2700	16x36	3610	0.015			10x30	663	0.150	
		18x32	4170	0.015		270	13x20	690	0.160	
	3300	16x40	4080	0.013			16x16	795	0.140	
		18x36	4220	0.014		330	13x25	784	0.120	
		18x40	4280	0.012			18x16	920	0.120	
50V (63)	10	5x11	100	1.200	470	13x30	905	0.100		
	22	5x11	180	0.700		16x20	1040	0.091		
	33	6.3x11	245	0.490		560	13x35	1050	0.083	
	47	6.3x11	300	0.520			16x25	1250	0.073	
	56	6.3x11	295	0.300		680	13x40	1180	0.071	
	100	8x11	555	0.170			18x20	1240	0.080	
	120	8x15	730	0.120		820	16x32	1570	0.054	
	150	10x12.5	760	0.120			18x25	1490	0.057	
	180	8x20	910	0.091		1000	16x36	1790	0.045	
	220	8x20	910	0.091			18x32	1630	0.047	
		10x16	1050	0.084	1200		16x40	2020	0.040	
	270	10x20	1220	0.060	100V (125)	15	6.3x11	115	1.200	
		13x16	1260	0.061		27	8x12	232	0.630	
		330	10x20	1400		0.058	39	8x15	300	0.450
			10x25	1440		0.055	47	10x12.5	288	0.430
		470	10x30	1690		0.043	56	8x20	362	0.330
			13x20	1660		0.045	68	10x16	357	0.310
			16x16	1690		0.055	82	10x20	466	0.210
		560	13x25	1950		0.034		13x16	466	0.230
			18x16	1930		0.054	100	10x25	531	0.200
		680	13x30	2310		0.030	120	10x30	663	0.150
	820	13x35	2510	0.025	13x20	690		0.160		
		16x20	2210	0.034	150	16x16	795	0.140		
	1000	13x40	2920	0.021		180	13x25	784	0.120	
		16x25	2555	0.025	18x16		920	0.120		
		18x20	2490	0.036	220	13x30	905	0.100		
	1200	16x32	3010	0.022		16x20	1040	0.091		
		18x25	2740	0.026	270	13x35	1050	0.083		
	1500	16x36	3150	0.019		16x25	1250	0.073		
	1800	16x40	3710	0.016	330	13x40	1180	0.071		
18x32		3635	0.021	18x20		1240	0.080			
2200	18x36	3680	0.017	390	16x32	1570	0.054			
	18x40	3800	0.014		18x25	1490	0.057			
63V (79)	15	5x11	55	2.300	470	16x36	1790	0.045		
	33	6.3x11	115	1.200		18x32	1630	0.047		
	56	8x12	232	0.630	560	16x40	2020	0.040		
	82	8x15	300	0.450	680	18x36	1790	0.040		
		10x12.5	288	0.430	820	18x40	2330	0.036		

单击下面可查看定价，库存，交付和生命周期等信息

[>>Teapo \(智宝\)](#)