

AT

High Temperature · Ultra Long Life Series

New

- Endurance: 130°C 1000~4000hours
- Recommended Applications : Applicable for Electronic Ballast,Lighting Ballast
- Corresponding product to RoHS

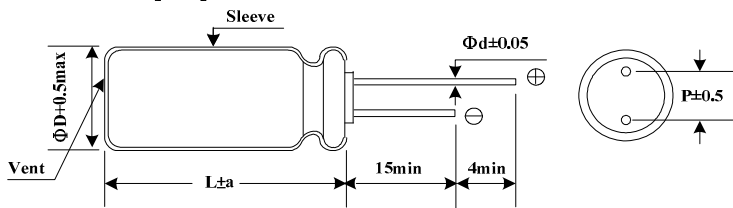
AT
↑ High Temperature
AR



SPECIFICATIONS

Item	Characteristics																												
Category Temperature Range	-40 ~ +130°C																												
Rated Voltage Range	10~63VDC																												
Rated Capacitance Range	22~ 4700 μ F																												
Capacitance Tolerance	\pm 20 % (120Hz , 20°C)																												
Leakage Current (20°C)	I=0.03CV or 4(μ A)whichever is greater. (After rated voltage applied for 1 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>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>tan δ</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.09</td> </tr> </table>	WV	10	16	25	35	50	63	tan δ	0.20	0.16	0.14	0.12	0.10	0.09														
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tan δ	0.20	0.16	0.14	0.12	0.10	0.09																							
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>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> </tr> <tr> <td>Z(120Hz)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z-25°C / Z+20°C</td> <td>3</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>6</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> <td>4</td> </tr> </table>	WV	10	16	25	35	50	63	Z(120Hz)							Z-25°C / Z+20°C	3	2	2	2	2	2	Z-40°C / Z+20°C	6	4	4	4	4	4
	WV	10	16	25	35	50	63																						
	Z(120Hz)																												
Z-25°C / Z+20°C	3	2	2	2	2	2																							
Z-40°C / Z+20°C	6	4	4	4	4	4																							
After applying rated voltage with rated ripple current for 1000~4000 hours at 130°C, when the capacitors are restored to 20°C, the capacitors shall meet the following requirements.																													
Endurance	Rated Voltage Range	10~63VDC																											
	Capacitance change	Within \pm 30% of initial value																											
	D.F. (tan δ)	Not more than300% of specified value																											
	Leakage current	initial specified value or less																											
	D Φ	5~6.3 Φ 8~10 Φ \geq 12.5 Φ																											
	Life(hours)	1000 2000 4000																											
Shelf Life	After placed at 130°C without voltage applied for 1000 hours,the capacitors shall meet the same requirement as Endurance.																												
	Rated Voltage Range	10~63VDC																											
	Capacitance change	Within \pm 30% of initial value																											
	D.F. (tan δ)	Not more than300% of specified value																											
	Leakage current	initial specified value or less																											

Dimensions [mm]



ΦD	5	6.3	8	10	12.5	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	\geq 100K
10~63WV	CAP:22~47 μ F	0.55	0.75	0.90	1.00
	CAP:68~330 μ F	0.70	0.85	0.95	1.00
	CAP:470~1500 μ F	0.75	0.90	0.98	1.00
	CAP:2200~4700 μ F	0.80	0.95	1.00	1.00

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms130°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$	Ripple current (mA/rms130°C) (100KHz)
10(13)	330	8x11	0.20	360	35(44)	470	10X20	0.12	960
	470	10x12.5	0.20	620		1000	12.5X25	0.12	1430
	1000	10x20	0.20	960		2200	16X35	0.14	2550
	2200	12.5x25	0.22	1430		3300	18X35	0.16	2800
	3300	16x25	0.24	1900		50(63)	22	5x11	0.10
	4700	16x30	0.26	2300	33		6.3x11	0.10	200
16(20)	330	8X11	0.16	360	47		8x11	0.10	300
	470	10X12.5	0.16	620	6.3x12		0.10	260	
	1000	10X20	0.16	960	100		10x12.5	0.10	520
	2200	12.5X25	0.18	1430	220		10x20	0.10	890
	3300	16X30	0.20	2300	330	12.5x20	0.10	1000	
	4700	16X35	0.22	2550	470	12.5x25	0.10	1200	
25(32)	47	5X11	0.14	130	1000	16x30	0.10	2180	
	68	6.3x11	0.14	170	2200	18x40	0.12	2800	
	220	8X11	0.14	360	63(79)	33	8x11	0.09	250
	330	10X12.5	0.14	620		47	10x12.5	0.09	400
	470	10X20	0.14	800		100	10x16	0.09	450
	1000	12.5X25	0.14	1100		220	12.5x20	0.09	820
	2200	16X30	0.16	2300		330	12.5x25	0.09	1000
3300	16X35	0.18	2500	470		16x25	0.09	1500	
35(44)	100	8X11	0.12	360		1000	16x30	0.09	1850
	220	10X12.5	0.12	620	1500	18x40	0.09	2350	
	330	10X16	0.12	800					