

Jamicon Series : WH

Teapo Series : AT High Temperature · Ultra Long Life Series

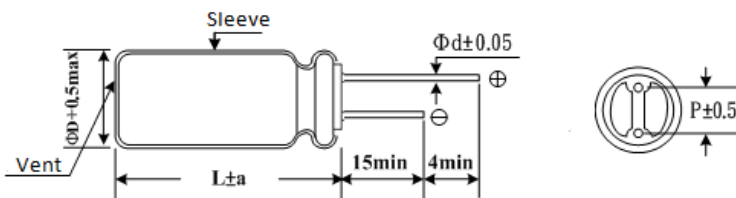


- Endurance: 130°C 1000~4000hours
- Recommended Applications : Applicable for Electronic Ballast,Lighting Ballast
- Corresponding product to RoHS

■ SPECIFICATIONS

Item	Characteristics																												
Category Temperature Range	-40 ~ +130°C																												
Rated Voltage Range	10~63VDC																												
Rated Capacitance Range	22~ 4700 µF																												
Capacitance Tolerance	± 20 % (120Hz , 20°C)																												
Leakage Current (20°C)	I=0.03CV or 4(µA)whichever is greater. (After rated voltage applied for 1 minutes) I : Max. leakage current (µA), C : Nominal capacitance (µF), 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														
	WV	10	16	25	35	50	63																						
tan δ	0.20	0.16	0.14	0.12	0.10	0.09																							
When nominal capacitance is over 1000 µF,tan δ shall be added 0.02 to the listed value with increase of every 1000 µF.																													
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 ±30% of initial value																											
	D.F. (tan δ)	Not more than300% of specified value																											
	Leakage current	initial specified value or less																											
	DΦ	5~6.3Φ 8~10Φ ≥12.5Φ																											
	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 ±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	≥100K
10~63WV	CAP:22~47 µF	0.55	0.75	0.90	1.00
	CAP:68~330 µF	0.70	0.85	0.95	1.00
	CAP:470~1500 µF	0.75	0.90	0.98	1.00
	CAP:2200~4700 µF	0.80	0.95	1.00	1.00

Jamicon Series : WH

Teapo Series : AT

■STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	Ripple current (mA/rms130°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ D \times L(mm)	tan δ	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	200
	4700	16x30	0.26	2300		33	6.3x11	0.10	250
16(20)	330	8x11	0.16	360		47	8x11	0.10	300
	470	10x12.5	0.16	620		100	6.3x12	0.10	260
	1000	10x20	0.16	960		220	10x20	0.10	520
	2200	12.5x25	0.18	1430		330	12.5x20	0.10	890
	3300	16x30	0.20	2300		470	12.5x25	0.10	1000
	4700	16x35	0.22	2550		1000	16x30	0.10	1200
25(32)	47	5x11	0.14	130		2200	18x40	0.12	2180
	68	6.3x11	0.14	170		63(79)	33	8x11	0.09
	220	8x11	0.14	360	47		10x12.5	0.09	400
	330	10x12.5	0.14	620	100		10x16	0.09	450
	470	10x20	0.14	800	220		12.5x20	0.09	820
	1000	12.5x25	0.14	1100	330		12.5x25	0.09	1000
	2200	16x30	0.16	2300	470		16x25	0.09	1500
	3300	16x35	0.18	2500	1000		16x30	0.09	1850
35(44)	100	8x11	0.12	360	1500		18x40	0.09	2350
	220	10x12.5	0.12	620					
	330	10x16	0.12	800					