

Features

- ◎ 2000h at +105°C, 螺栓型, Screw Terminal Type
- ◎ 大容量, 高纹波电流。Large capacitance, high ripple current.
- ◎ 适用于变频器, 开关电源等。Used in inverters and power supplies etc.

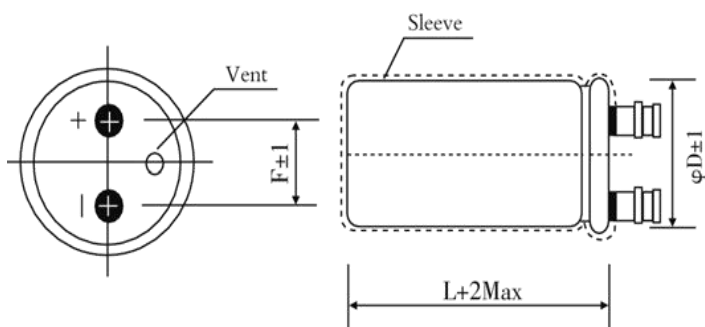


Specifications

Item	Characteristics	
使用温度范围 Operating Temperature Range(°C)	-40 ~ +105	-25 ~ +105
额定电压 Rated Voltage (V)	25 ~ 100	160 ~ 500
标称容量 Nominal capacitance (µF)	1,000 ~ 680,000	
容量偏差 Capacitance Tolerance(20°C,120Hz)	±20%	
漏电流 Leakage current (µA)	≤0.01CV or 5mA, which is smaller. (at 20°C ,after 5 minutes)	
损耗角正切值 Dissipation Factor(20°C,120Hz)	Less than values shown in the standard ratings	
耐久性 Load Life(+105°C)	时间 time	2000小时2000 hours
	容量变化率Capacitance change	±20%初始测量值以内 Within±20% of the initial value
	漏电流Leakage current	≤初始规定值 Not more than the Initial specified value
	损耗角正切值Dissipation factor	≤200%初始规定值 Not more than 200% of the Initial specified value
高温贮存 Shelf Life(+105°C)	时间 time	500小时500 hours
	容量变化率Capacitance change	±20%初始测量值以内 Within±20% of the initial value
	漏电流Leakage current	≤初始规定值 Not more than the Initial specified value
	损耗角正切值Dissipation factor	≤200%初始规定值 Not more than 200% of the Initial specified value
	试验后: 施加标称电压30分钟, 于24至48小时之间测试。 After test: UR to be applied for 30 minutes, 24 to 48 hours before measurement.	

Dimensions

mm



D	36	51	65	77	90	101
F	12.7	22	28.2	31.4	31.4	41.5

Frequency Coefficient

Voltage	Frequency(Hz)				
	50,60	120	300	1k	≥10k
25 ~ 100	0.95	1.00	1.04	1.10	1.15
160 ~ 250	0.90	1.00	1.08	1.15	1.20
350 ~ 500	0.80	1.00	1.18	1.35	1.40

Temperature Coefficient

Temperature(°C)		40	55	70	85	105
Coefficient	25~100V	4.90	3.90	3.00	1.80	1.00
	160~250V	3.80	3.30	2.50	2.00	1.00
	350~500V	2.40	2.30	2.10	2.00	1.00

Standard Ratings

WV (SV)	Cap.	tanδ	Typ ESR	Ripple Current	Size φDxL
		20°C 120Hz		105°C 120Hz	
V	μF	-	mΩ	Arms	mm
25(30)	82000	0.60	6	10.8	51x80
	100000	0.60	5	11.3	51x100
	120000	0.80	4	11.9	51x120
	150000	0.80	4	12.9	65x100
	220000	1.00	3	14.8	65x120
	330000	1.00	2	19.9	77x120
	470000	1.20	1	20.3	77x145
	560000	1.5	1	21.5	77x185
	680000	1.8	1	22.6	90x155
35(44)	33000	0.40	7	6.7	36x80
	47000	0.45	6	8.1	51x80
	68000	0.50	5	10	51x80
	82000	0.55	5	11.5	51x100
	100000	0.60	4	12.1	51x100
	150000	0.70	3	13.8	65x120
	220000	0.70	2	17.6	77x120
	330000	0.80	2	18.9	77x145
	470000	0.85	1	19.8	90x145
50(63)	10000	0.25	22	4.1	36x50
	15000	0.30	14	4.9	36x80
	22000	0.35	10	5.9	51x80
	33000	0.40	7	7.8	51x80
	47000	0.40	6	9.5	51x100
	68000	0.45	5	11.6	65x100
	100000	0.50	4	14.1	77x120
	150000	0.50	3	18.9	77x145
	220000	0.55	2	19.8	77x145
	330000	0.55	1	20.6	90x145
470000	0.60	1	21.9	90x185	
63(79)	10000	0.25	20	4.4	36x80
	15000	0.25	14	5.7	51x80
	22000	0.30	10	6.8	51x80
	33000	0.30	7	9.2	51x100
	47000	0.35	6	10.9	51x100
	56000	0.35	6	12.1	51x120
	68000	0.40	5	13	65x100
	82000	0.40	4	15.9	65x120
	100000	0.40	4	17.2	77x145
	120000	0.45	4	18	77x145
	150000	0.45	3	18.7	77x155
	180000	0.45	2	19	90x145
	220000	0.45	2	20.1	90x155
	330000	0.50	1	22.5	90x235

WV (SV)	Cap.	tanδ	Typ ESR	Ripple Current	Size φDxL
		20°C 120Hz		105°C 120Hz	
V	μF	-	mΩ	Arms	mm
80(100)	12000	0.20	15	5.6	36x80
	15000	0.25	11	6.2	51x80
	22000	0.25	8	8.2	51x100
	33000	0.30	7	9.7	65x100
	47000	0.30	6	12.5	65x100
	56000	0.30	5	13.8	77x120
	68000	0.30	5	16.4	77x145
	100000	0.40	4	19.8	77x145
	100(125)	4700	0.15	21	3.9
6800		0.15	19	5	36x70
8200		0.15	16	5.8	36x80
10000		0.15	13	6.5	51x80
15000		0.20	9	7.6	51x100
22000		0.20	7	9.7	65x120
33000		0.25	6	11.8	77x100
47000		0.25	5	15	77x145
68000		0.25	4	17.2	77x155
82000		0.25	3	19.5	77x185
160(200)	100000	0.30	2	20.8	90x155
	120000	0.30	1	21.2	90x235
	2200	0.20	55	2.7	36x80
	4700	0.20	35	4.4	51x80
	5600	0.20	30	5.1	51x80
	6800	0.20	25	5.9	51x100
	10000	0.20	15	7.6	65x100
	12000	0.20	8	8.9	65x100
	15000	0.20	11	10.3	65x120
	18000	0.20	9	11.5	65x120
200(250)	22000	0.20	6	13.2	77x145
	33000	0.20	4	15.6	90x145
	47000	0.20	3	17.8	90x155
	56000	0.20	1	19.5	90x235
	3300	0.20	36	3.7	51x80
	4700	0.20	24	4.9	51x100
	5600	0.20	20	5.6	51x120
	6800	0.20	16	6.3	65x120
	8200	0.2	14	7	65x120
	10000	0.20	12	8.1	77x120
200(250)	12000	0.2	10	9	77x120
	15000	0.20	6	10.9	77x120
	22000	0.20	4	11.8	77x145
	33000	0.20	2	13.1	90x155
	47000	0.20	1	15.6	90x185

Standard Ratings

WV (SV)	Cap.	Diss. Factor	Typ ESR	Ripple Current	Size φDxL
		20°C 120Hz		105°C 120Hz	
V	μF	-	mΩ	Arms	mm
250(300)	2200	0.2	28	3.1	51x80
	3300	0.2	20	4.2	51x100
	4700	0.2	15	5.4	51x100
	6800	0.2	10	6.9	65x100
	10000	0.2	8	9.3	65x120
	15000	0.2	6	12.2	77x145
	22000	0.2	4	13.5	90x155
	27000	0.2	2	14.7	90x185
	33000	0.2	1	16.1	90x235
350(400)	3300	0.2	30	8	51x120
	4700	0.2	23	11	65x120
	5600	0.2	20	12.1	77x120
	6800	0.2	15	13.5	77x145
	10000	0.2	12	18.6	90x155
	12000	0.2	10	21	90x155
	15000	0.2	8	26.1	90x185
	22000	0.2	6	29.6	90x235
33000	0.2	4	31.5	101x250	
400(450)	2200	0.2	30	4.5	51x120
	3300	0.2	20	6.2	65x100
	4700	0.2	13	8.7	77x120
	5600	0.2	12	9.3	77x145
	6800	0.2	11	10.7	77x145
	8200	0.2	10	12.3	90x145
	10000	0.2	9	14.1	90x155
	12000	0.2	9	15.8	90x185
	15000	0.2	6	17.5	90x235
	22000	0.2	6	19.2	90x235
	27000	0.2	4	21.6	101x250

WV (SV)	Cap.	Diss. Factor	Typ ESR	Ripple Current	Size φDxL	
		20°C 120Hz		105°C 120Hz		
V	μF	-	mΩ	Arms	mm	
450(500)	1000	0.2	90	4.2	51x80	
	1500	0.2	54	5.7	51x100	
	1800	0.2	45	6.8	51x120	
	2200	0.2	33	7.3	65x100	
	3300	0.2	22	10.1	65x120	
	4700	0.2	15	12.6	77x120	
	5600	0.2	11	15.8	77x145	
	6800	0.2	9	17.2	77x145	
	8200	0.2	8	19.1	77x220	
	10000	0.2	6	20.9	90x185	
	12000	0.2	4	22.6	90x185	
	15000	0.2	3	24	90x236	
	500(550)	1000	0.3	85	4.6	51x100
		1500	0.3	60	5.7	51x120
2200		0.3	40	6.9	65x120	
3300		0.3	32	9.5	77x120	
4700		0.3	27	12	77x145	
5600		0.3	21	13.9	77x185	
6800		0.3	18	16	90x155	
8200		0.3	14	17.5	90x185	
10000		0.3	10	22	90x235	

Customer products are available on request.