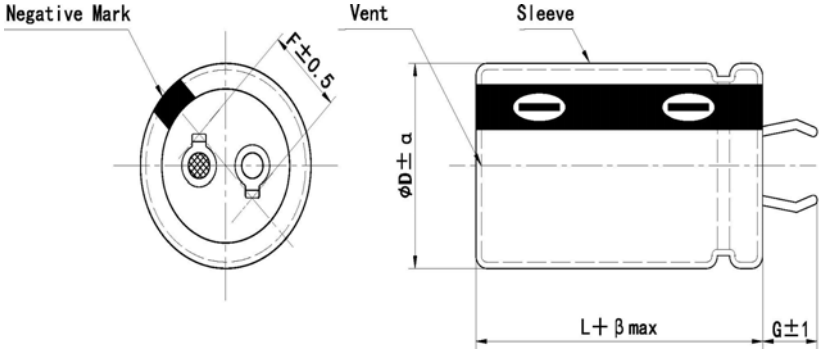
Features

- 105℃，3000 hours， snap-in terminal
- Suitable for using in solar power and inverter power.

◆ Specifications

Items	Characteristics
Rated Voltage Range	160～500V.DC
Operating Temperature Range	－25℃～＋105℃
Capacitance Tolerance	±10%(K) ， ±20%(M) (25℃,100 or 120Hz)
Leakage Current	$I \leq \sqrt[3]{CV}$,whichever is greater. (at 25℃ after 2 minutes). Where,I:Max.leakage current (μA),C:Nominal capacitance (μF),V:Rated voltage (V)
Dissipation Factor (tanδ)	(25℃,100 or 120Hz) Rated voltage(V_{dc}) | 160～400 | 450 tanδ(Max.) | 0.15 | 0.20
Low Temperature Characteristics (Max.Impedance Ratio)	Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table. Rated voltage(V_{dc}) | 160～400 | 450 $Z_{-25℃}/Z_{+20℃}$ | 4 | 8
Shelf Life	After storage at 105℃ for 1000 hours, the capacitors shall meet the following requirements. Capacitance Change | ≤±15％ of the initial value D.F. (tanδ) | ≤150% of the initial specified value Leakage Current | ≤the initial specified value
Load Life	After application of rated voltage with ripple current for 3000hours at +105℃,the following specification shall be satisfied. Capacitance Change | ≤±20％ of the initial value D.F. (tanδ) | ≤200% of the initial specified value Leakage Current | ≤the initial specified value
Others	Meet Q/RME 127—2010

◆ Dimensions



mm

D	22	25	30	35	42
F	10				
G	6.0				
α	1.0				
β	2.0				

◆ Size and Max Ripple Current

Voltage（V）	Capacitance（μF）	Size ΦD×L（mm）	tanδ	I_R (Arms,105℃, 100/120Hz)
160	470	22×25	0.15	1.47
	680	22×30	0.15	1.86
	680	25×25	0.15	1.84
	820	22×35	0.15	2.09
	820	25×30	0.15	2.08
	1000	22×40	0.15	2.35
	1000	22×45	0.15	2.40
	1000	25×35	0.15	2.40
	1200	22×50	0.15	2.69
	1200	25×40	0.15	2.68
	1200	30×30	0.15	2.77
	1500	25×45	0.15	3.05
	1500	30×35	0.15	3.17
	1800	25×50	0.15	3.40
	1800	30×40	0.15	3.57
	1800	35×30	0.15	3.62
	2200	30×45	0.15	4.05
	2200	35×35	0.15	4.07
	2700	30×50	0.15	4.56
	2700	35×40	0.15	4.67
	3300	35×50	0.15	5.40
200	390	22×25	0.15	1.34
	470	22×30	0.15	1.54
	560	22×35	0.15	1.72
	560	25×25	0.15	1.67
	680	22×40	0.15	1.94
	680	25×30	0.15	1.89
	820	22×45	0.15	2.17
	820	25×35	0.15	2.17
	820	30×25	0.15	2.26
	1000	22×50	0.15	2.45
	1000	25×40	0.15	2.45
	1000	30×30	0.15	2.52
	1200	25×45	0.15	2.73
	1200	25×50	0.15	2.78
	1200	30×50	0.15	2.83
	1500	30×40	0.15	3.26
	1500	35×35	0.15	3.26
	1800	30×45	0.15	3.66
	1800	30×50	0.15	3.72
	1800	35×40	0.15	3.81
	2200	35×45	0.15	4.32
	2700	35×50	0.15	4.88
250	270	22×25	0.15	1.11
	330	22×30	0.15	1.29

Voltage（V）	Capacitance（μF）	Size ΦD×L（mm）	tanδ	I_R (Arms,105℃, 100/120Hz)
250	390	22×35	0.15	1.44
	390	25×25	0.15	1.40
	470	22×40	0.15	1.61
	470	25×30	0.15	1.57
	560	22×45	0.15	1.79
	560	25×35	0.15	1.79
	680	22×50	0.15	2.02
	680	25×40	0.15	2.02
	680	30×30	0.15	2.08
	820	25×45	0.15	2.26
	820	30×35	0.15	2.34
	1000	25×50	0.15	2.53
	1000	30×40	0.15	2.66
	1000	35×30	0.15	2.70
	1200	30×45	0.15	2.99
	1200	30×50	0.15	3.04
	1200	35×35	0.15	3.00
	1500	35×40	0.15	3.48
	1500	35×45	0.15	3.56
	1800	35×50	0.15	3.98
400	120	22×25	0.20	0.77
	150	22×30	0.20	0.90
	180	22×35	0.20	1.02
	180	25×25	0.20	0.99
	220	22×40	0.20	1.15
	220	25×30	0.20	1.13
	270	22×45	0.20	1.29
	270	25×35	0.20	1.30
	330	22×50	0.20	1.47
	330	25×40	0.20	1.47
	390	25×45	0.20	1.63
	390	25×50	0.20	1.66
	470	30×40	0.20	1.82
	470	35×30	0.20	1.85
	560	30×45	0.20	2.04
	560	30×50	0.20	2.07
	680	35×40	0.20	2.34
	680	35×45	0.20	2.40
	820	35×50	0.20	2.69
450	120	22×30	0.20	0.81
	150	22×40	0.20	0.93
	150	25×30	0.20	1.08
	180	22×45	0.20	1.04
	180	25×35	0.20	1.20
	220	22×50	0.20	1.17

◆ Size and Max Ripple Current

Voltage（V）	Capacitance（μF）	Size ΦD×L（mm）	tanδ	I_R (Arms,105℃, 100/120Hz)
450	220	25×40	0.20	1.20
	270	25×45	0.20	1.36
	270	25×50	0.20	1.38
	330	30×40	0.20	1.52
	390	30×45	0.20	1.70
	390	30×50	0.20	1.73
	470	35×40	0.20	1.95
	470	35×45	0.20	1.99
	560	35×50	0.20	2.22
500	100	22×45	0.20	0.83
	120	22×50	0.20	0.93
	150	25×45	0.20	1.08
	150	30×35	0.20	1.04
	180	25×50	0.20	1.20
	180	30×40	0.20	1.17
	220	30×45	0.20	1.33
	220	35×35	0.20	1.23
	270	30×50	0.20	1.50
	270	35×40	0.20	1.42
	330	35×45	0.20	1.60
	390	35×50	0.20	1.78
	470	35×60	0.20	2.03

◆ Ripple Current Multiplier

Frequency Coefficient

Frequency（Hz）	50/60	100/120	300	1K	10K	50K
160～250V	0.81	1.00	1.17	1.32	1.45	1.50
400～450V	0.77	1.00	1.16	1.30	1.41	1.43
500V	0.70	1.00	1.16	1.30	1.41	1.43