

# Features

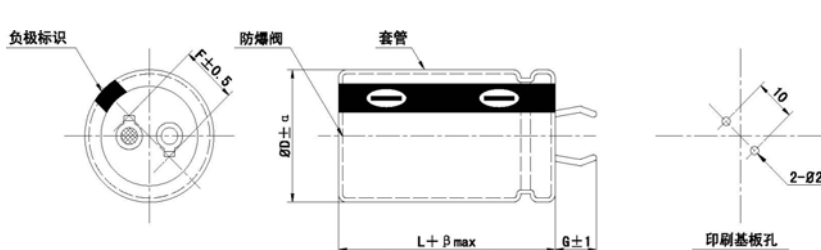
- 105°C, 5000 hours, snap-in terminal, Long life.
- Suitable for Ballast circuit, inverter, transducer.



## ◆ Specifications

Item	Characteristics										
Rated Voltage Range	10~450V.DC										
Operating Temperature Range	-40°C~105°C										
Capacitance Tolerance	±20%(M) (25°C, 100 or 120Hz)										
Leakage Current	$I \leq 3\sqrt{CV}$ (µA) Whichever is greater after 5 minutes at 25°C.										
Dissipation Factor	(25°C, 100 or 120Hz) <table border="1"> <tr> <td><math>U_R(V)</math></td> <td>200</td> <td>250~450</td> </tr> <tr> <td><math>tg\delta</math></td> <td>0.15</td> <td>0.20</td> </tr> </table>	$U_R(V)$	200	250~450	$tg\delta$	0.15	0.20				
$U_R(V)$	200	250~450									
$tg\delta$	0.15	0.20									
Low Temperature Characteristics	Impedance ratio at 100Hz or 120Hz shall not exceed the values given in the below table. <table border="1"> <tr> <td><math>U_R(V)</math></td> <td>10~35</td> <td>50~100</td> <td>200~</td> <td>400~</td> </tr> <tr> <td><math>Z_{40^\circ C}/Z_{25}</math></td> <td>10</td> <td>6</td> <td>7</td> <td>7</td> </tr> </table>	$U_R(V)$	10~35	50~100	200~	400~	$Z_{40^\circ C}/Z_{25}$	10	6	7	7
$U_R(V)$	10~35	50~100	200~	400~							
$Z_{40^\circ C}/Z_{25}$	10	6	7	7							
Load Life	After application of rated voltage with ripple current for 5000hours at 105°C, the following specification shall be satisfied. <table border="1"> <tr> <td>Capacitance Change</td> <td>Within ±20% of the initial value</td> </tr> <tr> <td>Dissipation Factor</td> <td>Not more than 200% of the specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> </table>	Capacitance Change	Within ±20% of the initial value	Dissipation Factor	Not more than 200% of the specified value	Leakage Current	Not more than the specified value				
Capacitance Change	Within ±20% of the initial value										
Dissipation Factor	Not more than 200% of the specified value										
Leakage Current	Not more than the specified value										
Others	Meet Q/RME 149-2013, GB/T 5993-2003										

## ◆ Dimensions



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



◆ Size and Max Ripple Current

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tgδ	I <sub>R</sub> (mA <sub>rms</sub> , 105°C, 100/120Hz)
10	8200	22×25	0.55	1.36
	10000	22×30	0.55	1.65
	12000	22×35	0.55	1.85
	12000	25×25	0.55	1.82
	15000	22×40	0.55	2.12
	15000	25×30	0.55	2.11
	15000	30×25	0.55	2.14
	18000	22×45	0.55	2.40
	18000	25×35	0.55	2.32
	18000	30×30	0.55	2.37
	22000	25×40	0.55	2.59
	22000	30×30	0.55	2.73
	27000	25×45	0.55	3.01
	27000	30×35	0.55	3.13
	27000	35×30	0.55	3.05
	33000	25×50	0.55	3.43
	33000	30×40	0.55	3.53
	33000	35×35	0.55	3.49
	39000	30×45	0.55	3.78
	39000	35×40	0.55	3.96
47000	30×50	0.55	4.58	
47000	35×45	0.55	4.60	
56000	35×50	0.55	5.06	
16	5600	22×25	0.50	1.44
	6800	22×30	0.50	1.66
	8200	22×30	0.50	1.79
	8200	25×25	0.50	1.67
	10000	22×35	0.50	2.08
	10000	25×30	0.50	2.07
	12000	22×40	0.50	2.36
	12000	25×35	0.50	2.37
	12000	30×25	0.50	2.13
	15000	22×45	0.50	2.69
	15000	25×40	0.50	2.72
	15000	30×30	0.50	2.54
	18000	25×45	0.50	3.06
	18000	30×35	0.50	3.02
	18000	35×30	0.50	3.09
	22000	25×50	0.50	3.39
	22000	30×40	0.50	3.46
	22000	35×30	0.50	3.31
	27000	30×45	0.50	3.88
	27000	35×35	0.50	3.85
33000	30×50	0.50	4.33	
33000	35×40	0.50	4.33	
39000	35×45	0.50	4.96	
47000	35×50	0.50	5.49	

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tgδ	I <sub>R</sub> (mA <sub>rms</sub> , 105°C, 100/120Hz)
25	3900	22×25	0.45	1.31
	4700	22×30	0.45	1.55
	5600	22×35	0.45	1.77
	5600	25×25	0.45	1.56
	6800	22×40	0.45	2.02
	6800	25×30	0.45	1.88
	8200	22×45	0.45	2.27
	8200	25×35	0.45	2.18
	8200	30×25	0.45	1.92
	10000	22×50	0.45	2.56
	10000	25×40	0.45	2.53
	10000	30×30	0.45	2.38
	12000	25×45	0.45	2.79
	12000	30×35	0.45	2.70
	12000	35×30	0.45	2.76
	15000	30×40	0.45	3.13
	15000	35×30	0.45	3.00
	18000	30×45	0.45	3.52
	18000	35×35	0.45	3.50
	22000	30×50	0.45	3.92
22000	35×40	0.45	3.95	
27000	35×50	0.45	4.72	
35	2700	22×25	0.40	1.29
	3300	22×30	0.40	1.54
	3900	22×35	0.40	1.77
	3900	25×25	0.40	1.55
	4700	22×40	0.40	2.01
	4700	25×30	0.40	1.87
	5600	22×45	0.40	2.25
	5600	25×35	0.40	2.18
	5600	30×25	0.40	1.80
	6800	22×50	0.40	2.49
	6800	25×40	0.40	2.45
	6800	30×30	0.40	2.28
	8200	25×45	0.40	2.80
	8200	30×35	0.40	2.69
	10000	30×40	0.40	3.04
	10000	35×30	0.40	2.78
12000	30×45	0.40	3.38	
12000	35×35	0.40	3.30	
15000	35×40	0.40	3.88	
18000	35×45	0.40	4.40	
50	1500	22×25	0.35	1.21
	1800	22×25	0.35	1.28
	2200	22×30	0.35	1.52
	2200	25×25	0.35	1.46
	2700	22×35	0.35	1.77



**Size and Max Ripple Current**

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tgδ	I <sub>R</sub> (mA <sub>rms</sub> , 105°C, 100/120Hz)
50	2700	25×30	0.35	1.76
	3300	22×40	0.35	2.02
	3300	25×30	0.35	1.87
	3300	30×25	0.35	1.72
	3900	22×45	0.35	2.27
	3900	25×35	0.35	2.20
	3900	30×30	0.35	2.09
	4700	25×40	0.35	2.43
	4700	30×30	0.35	2.22
	5600	25×45	0.35	2.72
	5600	30×35	0.35	2.58
	5600	35×30	0.35	2.35
	6800	30×40	0.35	3.01
	6800	35×35	0.35	2.91
	8200	30×50	0.35	3.63
	8200	35×40	0.35	3.36
	10000	35×45	0.35	3.79
	12000	35×50	0.35	4.06
63	1000	22×25	0.30	1.10
	1200	22×25	0.30	1.17
	1500	22×30	0.30	1.41
	1500	25×25	0.30	1.38
	1800	22×35	0.30	1.62
	1800	25×30	0.30	1.63
	2200	22×40	0.30	1.85
	2200	25×30	0.30	1.75
	2200	30×25	0.30	1.66
	2700	22×45	0.30	2.10
	2700	25×35	0.30	2.03
	2700	30×30	0.30	2.01
	3300	25×40	0.30	2.33
	3300	30×30	0.30	2.15
	3900	25×45	0.30	2.58
	3900	30×35	0.30	2.46
	3900	35×30	0.30	2.31
	4700	30×40	0.30	2.82
	4700	35×35	0.30	2.77
	5600	30×45	0.30	3.22
5600	35×40	0.30	3.20	
6800	35×45	0.30	3.61	
8200	35×50	0.30	3.94	
80	820	22×25	0.25	1.09
	1000	22×30	0.25	1.29
	1200	22×35	0.25	1.48
	1200	25×25	0.25	1.32
	1500	22×40	0.25	1.70
	1500	25×30	0.25	1.74
	1500	30×25	0.25	1.58
	1800	22×45	0.25	1.91

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tgδ	I <sub>R</sub> (mA <sub>rms</sub> , 105°C, 100/120Hz)	
80	1800	25×35	0.25	1.86	
	1800	30×25	0.25	1.68	
	2200	25×45	0.25	2.22	
	2200	30×30	0.25	2.02	
	2700	30×35	0.25	2.50	
	2700	35×30	0.25	2.18	
	3300	30×40	0.25	2.69	
	3300	35×35	0.25	2.60	
	3900	30×45	0.25	2.94	
	3900	35×40	0.25	3.00	
	4700	35×45	0.25	3.44	
	5600	35×50	0.25	3.72	
	100	560	22×25	0.20	1.01
		680	22×30	0.20	1.19
820		22×35	0.20	1.33	
820		25×25	0.20	1.26	
1000		22×40	0.20	1.56	
1000		25×30	0.20	1.52	
1000		30×25	0.20	1.47	
1200		22×45	0.20	1.76	
1200		25×35	0.20	1.76	
1200		30×30	0.20	1.76	
1500		22×50	0.20	2.00	
1500		25×40	0.20	2.03	
1500		30×30	0.20	1.89	
1800		25×45	0.20	2.29	
1800		30×35	0.20	2.19	
1800		35×30	0.20	2.05	
2200	30×40	0.20	2.52		
2200	35×35	0.20	2.48		
2700	30×45	0.20	2.86		
2700	35×40	0.20	2.87		
3300	35×45	0.20	3.25		
3900	35×50	0.20	3.56		
200	270	22×25	0.20	1.09	
	330	22×30	0.20	1.31	
	390	22×30	0.20	1.32	
	390	25×25	0.20	1.27	
	470	22×35	0.20	1.54	
	470	25×30	0.20	1.54	
	560	22×40	0.20	1.75	
	560	25×30	0.20	1.54	
	680	22×45	0.20	1.96	
	680	25×35	0.20	1.79	
	680	30×25	0.20	1.46	
	820	22×50	0.20	2.15	
	820	25×40	0.20	2.03	
	820	30×30	0.20	1.77	
820	35×25	0.20	1.59		



**Size and Max Ripple Current**

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tgδ	I <sub>R</sub> (mArms, 105°C, 100/120Hz)
200	1000	25×45	0.20	2.26
	1000	30×35	0.20	2.06
	1000	35×30	0.20	1.93
	1200	30×40	0.20	2.34
	1200	35×35	0.20	2.22
	1500	35×45	0.20	2.60
	1500	35×40	0.20	2.56
	1800	35×45	0.20	2.85
	2200	35×50	0.20	3.14
250	220	22×25	0.20	0.97
	270	22×30	0.20	1.18
	330	22×35	0.20	1.37
	330	25×25	0.20	1.14
	390	22×40	0.20	1.56
	390	25×30	0.20	1.38
	470	22×45	0.20	1.74
	470	25×35	0.20	1.61
	470	30×25	0.20	1.34
	560	22×50	0.20	1.92
	560	25×40	0.20	1.83
	560	30×30	0.20	1.63
	560	35×25	0.20	1.48
	680	25×45	0.20	2.04
	680	30×35	0.20	1.90
	680	35×30	0.20	1.80
	820	25×50	0.20	2.24
	820	30×40	0.20	2.15
	820	35×30	0.20	1.81
	1000	30×45	0.20	2.39
	1000	35×35	0.20	2.38
1200	30×50	0.20	2.62	
1200	35×40	0.20	2.39	
1500	35×50	0.20	2.92	
400	82	22×25	0.20	0.64
	100	22×30	0.20	0.74
	120	22×30	0.20	0.79
	120	25×25	0.20	0.79
	150	22×35	0.20	0.92
	150	25×30	0.20	0.95
	180	22×40	0.20	1.05
	180	25×35	0.20	1.10

Voltage (V)	Capacitance (μF)	Size ΦD×L (mm)	tgδ	I <sub>R</sub> (mArms, 105°C, 100/120Hz)
400	180	30×25	0.20	0.97
	220	22×50	0.20	1.28
	220	25×35	0.20	1.12
	220	30×30	0.20	1.17
	220	35×25	0.20	1.10
	270	25×45	0.20	1.40
	270	30×35	0.20	1.36
	270	35×30	0.20	1.33
	330	25×50	0.20	1.55
	330	30×40	0.20	1.55
	330	35×30	0.20	1.35
	390	30×45	0.20	1.72
	390	35×35	0.20	1.53
	470	30×50	0.20	1.89
	470	35×40	0.20	1.78
	560	35×45	0.20	1.98
	680	35×50	0.20	2.19
	450	82	22×25	0.20
100		22×30	0.20	0.73
100		25×25	0.20	0.72
120		22×35	0.20	0.84
120		25×30	0.20	0.87
150		22×40	0.20	0.97
150		25×30	0.20	0.89
150		30×25	0.20	0.90
180		22×45	0.20	1.08
180		25×35	0.20	1.03
180		30×30	0.20	1.08
220		25×40	0.20	1.17
220		30×30	0.20	1.10
220		35×25	0.20	1.04
270		25×50	0.20	1.43
270		30×35	0.20	1.28
270		35×30	0.20	1.25
330		30×45	0.20	1.45
330	35×35	0.20	1.43	
390	30×50	0.20	1.75	
390	35×40	0.20	1.66	
470	35×45	0.20	1.85	
560	35×50	0.20	2.04	

◆ **Ripple Current Multiplier**

Frequency Coefficient

Frequency (Hz)	50/60	100/120	1K	≥10K
10~100WV	0.90	1.00	1.10	1.15
200~250WV	0.80	1.00	1.30	1.50
400~450WV	0.80	1.00	1.25	1.40