

- Load life of 2000 hours at 85°C
- High ripple current
- PCB Mounting



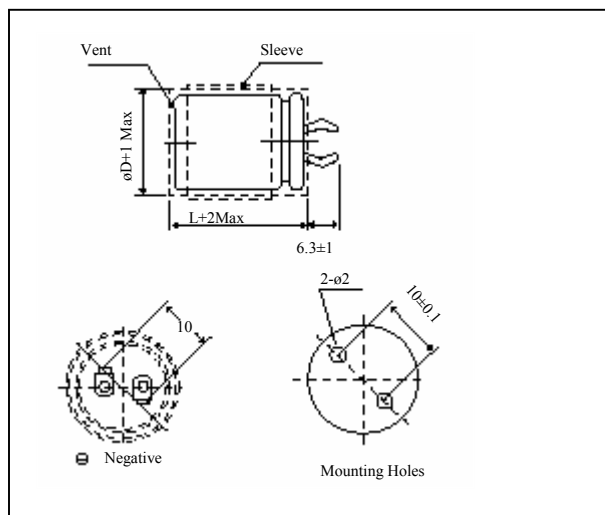
■ SPECIFICATIONS

Item	Characteristics																																						
Operating Temperature Range (°C)	-40~+85	-25~+85																																					
Rated Voltage Range (V)	10~400	450~500																																					
Capacitance Tolerance (25°C, 120Hz)	± 20%																																						
Leakage current (µ A)	0.01CV or 1.5mA whichever is smaller (at 25°C, after 5 minutes) C: Nominal Capacitance (µF), V: Rated Voltage (V)																																						
Dissipation Factor (25°C, 120Hz)	<table border="1"> <thead> <tr> <th>Rated Volts(V)</th> <th>10~16</th> <th>25</th> <th>35~50</th> <th>80~100</th> </tr> </thead> <tbody> <tr> <td>Cap(µF) ≤2700</td> <td>-</td> <td>-</td> <td>0.20</td> <td>0.15</td> </tr> <tr> <td>3300~4700</td> <td>-</td> <td>0.35</td> <td>0.25</td> <td>0.15</td> </tr> <tr> <td>5600~6800</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.20</td> </tr> <tr> <td>≥8200</td> <td>0.40</td> <td>0.35</td> <td>0.35</td> <td>-</td> </tr> </tbody> </table>	Rated Volts(V)	10~16	25	35~50	80~100	Cap(µF) ≤2700	-	-	0.20	0.15	3300~4700	-	0.35	0.25	0.15	5600~6800	0.40	0.35	0.30	0.20	≥8200	0.40	0.35	0.35	-	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>160~200</th> <th>250~500</th> </tr> </thead> <tbody> <tr> <td>ΦD(mm)</td> <td></td> <td></td> </tr> <tr> <td>22~30</td> <td>0.10</td> <td>0.15</td> </tr> <tr> <td>35</td> <td>0.12</td> <td>0.15</td> </tr> </tbody> </table>	Rated Voltage	160~200	250~500	ΦD(mm)			22~30	0.10	0.15	35	0.12	0.15
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*After test:(V) to be applied for 30 minutes, 24 to 48 hours before measurement.

■ DIMENSIONS

mm



■ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient					
Frequency (Hz)	50	120	1K	10K	100K
Rated Voltage(V)					
≤50	0.95	1.00	1.10	1.15	1.15
63~100	0.95	1.00	1.16	1.30	1.33
≥160	0.95	1.00	1.20	1.50	1.55

Temperature coefficient				
Temperature	+40	+55	+70	+85
Rated Voltage (V)				
<160	2.1	1.8	1.5	1.0
≥160	1.7	1.5	1.3	1.0

■ STANDARD RATINGS

Wv(V) Φ DxL(mm)	10		16		25		35		50		63		80		100	
	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple
	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms
22x25	10000	2.5	8200	2.2	5600	2.0	3300	1.8	2200	1.7	1500	1.6	1000	1.3	680	1.1
22x30	15000	3.2	10000	2.6	6800	2.3	3900	2.1	2700	1.9	2200	2.0	1200	1.5	820	1.2
22x35	18000	3.6	12000	2.9	8200	2.6	5600	2.3	3900	2.1	2700	2.2	1800	1.9	1200	1.6
22x40	22000	4.0	15000	3.3	10000	2.9	6800	2.9	4700	2.4	3300	2.3	2200	2.1	1500	1.8
22x45	-	-	18000	3.8	12000	3.3	-	-	-	-	3900	2.5	-	-	-	-
22x50	-	-	22000	4.2	-	-	8200	2.8	5600	2.5	-	-	2700	2.5	1800	2.1
25x25	15000	3.1	10000	2.6	6800	2.3	4700	2.2	2700	1.9	2200	2.0	1500	1.7	1000	1.4
25x30	18000	3.6	15000	3.3	10000	2.8	5600	2.3	3900	2.1	2700	2.3	1800	1.9	1200	1.6
25x35	22000	4.1	18000	3.7	12000	3.2	6800	2.6	4700	2.4	3300	2.3	2200	2.2	1500	1.7
25x40	33000	4.6	22000	4.2	15000	3.7	8200	2.8	5600	2.5	3900	2.6	2700	2.5	1800	2.0
25x45	39000	5.2	27000	5.0	-	-	10000	3.1	6800	2.8	5600	3.1	3300	2.8	2200	2.2
25x50	47000	5.8	-	-	18000	4.3	12000	3.5	8200	3.2	-	-	3900	3.1	2700	2.6
30x25	22000	4.1	15000	3.4	10000	3.0	6800	2.7	3900	2.4	3300	2.3	2200	2.2	1500	1.8
30x30	33000	4.8	22000	4.2	12000	3.4	8200	2.8	5600	2.5	3900	2.6	2700	2.5	1800	2.1
30x35	39000	5.3	27000	5.0	18000	4.2	10000	3.2	6800	2.8	5600	3.2	3300	2.8	2200	2.3
30x40	47000	6.0	33000	5.6	22000	4.8	12000	3.5	8200	3.0	6800	3.6	3900	3.2	2700	2.7
30x45	56000	6.7	39000	6.2	-	-	15000	4.1	10000	3.4	-	-	4700	3.6	3300	3.0
30x50	68000	7.5	47000	7.0	-	-	18000	4.6	12000	3.8	8200	3.7	5600	3.5	3900	3.4
35x25	33000	4.8	22000	4.4	15000	3.9	8200	2.9	5600	2.6	6900	2.7	2700	2.5	1800	2.2
35x30	47000	6.0	33000	5.6	18000	4.4	12000	3.6	8200	3.0	5600	3.3	3900	3.2	2200	2.5
35x35	56000	6.8	39000	6.3	22000	5.0	15000	4.1	10000	3.4	6800	3.7	4700	3.6	3300	3.1
35x40	68000	7.7	47000	7.2	33000	6.5	18000	4.7	12000	3.8	8200	3.8	5600	3.5	3900	3.4
35x45	82000	8.7	56000	8.0	39000	7.5	22000	5.3	-	-	10000	4.3	-	-	-	-
35x50	-	-	-	-	-	-	27000	7.0	15000	4.5	12000	4.8	6800	4.1	4700	4.0

Ripple Current : 85°C, 120Hz

■ STANDARD RATINGS

Wv(V) ΦDxL(mm)	160		180		200		250		315		350		400		450		500	
	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple	Cap	Ripple
	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms	μ F	Arms
22x25	330	1.3	270	1.2	220	1.1	180	0.94	100	0.67	82	0.64	68	0.55	-	-	-	-
22x30	390	1.5	330	1.4	330	1.4	220	1.1	150	0.85	120	0.82	100	0.7	68	0.57	-	-
22x35	560	1.9	470	1.7	390	1.6	270	1.2	180	0.96	150	0.94	120	0.79	100	0.72	-	-
22x40	680	2.1	560	1.9	470	1.8	330	1.4	220	1.1	180	1.1	150	0.90	120	0.80	-	-
22x45	-	-	-	-	560	2.0	390	1.6	270	1.2	220	1.2	180	1.0	-	-	-	-
22x50	820	2.5	680	2.3	-	-	470	1.8	-	-	-	-	220	1.1	150	0.95	-	-
25x25	390	1.5	390	1.5	330	1.4	220	1.1	150	0.85	120	0.81	100	0.7	-	-	-	-
25x30	560	1.9	470	1.7	390	1.6	300	1.4	180	0.96	150	0.94	150	0.89	100	0.73	-	-
25x35	680	2.2	560	2.0	560	2.0	390	1.6	220	1.1	220	1.2	180	1.0	120	0.83	-	-
25x40	820	2.4	680	2.2	680	2.3	470	1.8	270	1.3	-	-	220	1.2	150	0.95	-	-
25x45	1000	2.7	820	2.5	-	-	560	2.0	330	1.4	270	1.4	270	1.3	180	1.1	-	-
25x50	1200	3.1	1000	2.9	820	2.6	-	-	390	1.6	330	1.6	-	-	220	1.2	-	-
30x25	560	2.0	470	1.8	470	1.9	330	1.5	220	1.1	180	1.1	150	0.95	-	-	100	0.9
30x30	820	2.5	680	2.3	560	2.1	470	1.8	270	1.3	220	1.2	180	1.1	150	0.98	120	1.0
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30x40	1200	3.2	1000	2.9	820	2.7	680	2.3	390	1.6	390	1.7	270	1.4	220	1.3	180	1.4
30x45	1500	3.7	1200	3.3	1000	3.1	820	2.6	470	1.8	470	2.0	330	1.6	270	1.4	220	1.6
30x50	-	-	-	-	1200	3.4	-	-	560	2.0	-	-	390	1.8	-	-	270	1.8
35x25	820	2.4	680	2.2	560	2.0	470	2.4	270	1.3	220	1.3	180	1.2	180	1.2	120	1.0
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35x35	1200	3.0	1200	3.1	1000	2.8	820	2.6	470	1.6	390	1.8	330	1.7	270	1.5	220	1.5
35x40	1500	3.5	-	-	1200	3.2	1000	3.0	560	2.0	470	2.0	390	1.8	-	-	270	1.7
35x45	1800	3.9	1500	3.6	-	-	1200	3.4	680	2.3	560	2.3	470	2.1	390	1.9	330	2.0
35x50	2200	1.5	1800	4.1	1500	3.8	-	-	-	-	680	2.6	560	2.3	470	2.2	390	2.3

Ripple Current: 85°C, 120Hz