

- Load life of 2000 hours at 85°C
- Low leakage current



## ■ SPECIFICATIONS

Item	Characteristics																												
Operating Temperature Range (C°)	-40~+85																												
Capacitance tolerance (25°C, 120Hz)	±20% or ±10%																												
Leakage Current (μ A)	0.006CV or 0.5 whichever is greater. (25°C, 1 minute) 0.002CV or 0.3 whichever is greater. (25°C, 2 minute) C: Nominal capacitance ( μ F ), V:Rated Voltage (V)																												
Dissipation Factor ( 25°C,120Hz)	<table border="1"> <thead> <tr> <th>Rated Voltage (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> <th>100</th> </tr> </thead> <tbody> <tr> <td rowspan="2">tan δ</td> <td>~Φ 10x12.5</td> <td>0.18</td> <td>0.15</td> <td>0.12</td> <td>0.08</td> <td>0.08</td> <td>0.08</td> <td>0.07</td> <td>0.07</td> </tr> <tr> <td>Φ 10x16~</td> <td>0.21</td> <td>0.17</td> <td>0.14</td> <td>0.12</td> <td>0.12</td> <td>0.10</td> <td>0.08</td> <td>0.08</td> </tr> </tbody> </table>	Rated Voltage (V)	6.3	10	16	25	35	50	63	100	tan δ	~Φ 10x12.5	0.18	0.15	0.12	0.08	0.08	0.08	0.07	0.07	Φ 10x16~	0.21	0.17	0.14	0.12	0.12	0.10	0.08	0.08
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Shelf Life (+85°C)	1000 hours. No voltage applied. After test: (V) to be applied for 30 minutes, 24 to 48 hours before measurement.																												

## ■ DIMENSIONS

mm

ΦD	5	6.3	8	10	12.5	16	18
F	2.0	2.5	3.5	5.0		7.5	
Φd	0.5		0.6			0.8	
a	1.0		L<16:1.5 L≥16:2.0				

## ■ MULTIPLIER FOR RIPPLE CURRENT

Frequency coefficient				
Freq(Hz)	50,60	120	1K	10K
CV(μ F, vv)				
~68	0.75	1.00	1.57	2.00
100~680	0.8	1.00	1.34	1.50
1000~10000	0.85	1.00	1.13	1.15

  

Temperature coefficient		
Temperature (°C)	+70	+85
Factor	1.35	1.00

## ■ STANDARD RATINGS

Wv (V) Cap (μF)	6.3		10		16		25	
	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple
	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms
4.7	-	-	-	-	-	-	5x11	45
6.8	-	-	-	-	-	-	5x11	55
10	-	-	-	-	5x11	55	5x11	70
15	-	-	-	-	5x11	70	5x11	85
22	-	-	-	-	5x11	85	5x11	100
33	-	-	-	-	5x11	100	6.3x11	140
47	-	-	5x11	110	6.3x11	140	6.3x11	170
68	-	-	6.3x11	150	6.3x11	160	8x11.5	230
100	-	-	6.3x11	180	8x11.5	230	8x11.5	280
150	-	-	8x11.5	250	8x11.5	280	10x12.5	370
220	-	-	8x11.5	310	10x12.5	370	10x16	400
330	-	-	10x2.5	400	10x16	420	10x20	490
470	10x12.5	390	10x16	530	10x20	550	12.5x20	650
680	10x16	480	10x20	600	12.5x20	730	12.5x25	810
1000	10x20	650	12.5x20	810	12.5x25	910	16x25	1010
1500	12.5x25	910	12.5x25	1020	16x25	1150	16x31.5	1270
2200	12.5x25	1060	16x25	1200	16x25	1300	16x35.5	1440
3300	16x25	1270	16x31.5	1420	16x35.5	1550	18x40	1720
4700	16x31.5	1500	16x35.5	1650	16x35.5	1820	-	-
6800	18x35.5	1760	18x35.5	1890	-	-	-	-
10000	18x40	1900	-	-	-	-	-	-

Ripple Current: 85°C, 120Hz

## ■ STANDARD RATINGS

Wv (V) Cap (μF)	35		50		63		100	
	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple	Size (mm)	Ripple
	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms	ΦDxL	mArms
0.1	-	-	5x11	1.1	-	-	5x11	2.1
0.15	-	-	5x11	1.6	-	-	5x11	3.2
0.22	-	-	5x11	2.3	-	-	5x11	4.7
0.33	-	-	5x11	3.5	-	-	5x11	7.0
0.47	-	-	5x11	5.0	-	-	5x11	10.1
0.68	-	-	5x11	7.3	-	-	5x11	14.5
1	-	-	5x11	10.7	-	-	5x11	19
1.5	-	-	5x11	16	-	-	5x11	23
2.2	-	-	5x11	23	-	-	5x11	28
3.3	-	-	5x11	40	-	-	5x11	45
4.7	-	-	5x11	45	-	-	5x11	50
6.8	-	-	5x11	55	5x11	59	6.3x11	65
10	-	-	5x11	70	6.3x11	75	8x11.5	90
15	5x11	85	6.3x11	95	6.3x11	100	8x11.5	110
22	6.3x11	110	6.3x11	110	8x11.5	115	10x12.5	136
33	6.3x11	140	8x11.5	165	8x11.5	170	10x16	180
47	8x11.5	190	8x11.5	190	10x12.5	200	10x20	220
68	8x11.5	230	10x12.5	250	10x16	270	10x20	290
100	10x12.5	300	10x16	320	10x20	330	12.5x20	370
150	10x16	400	10x20	420	12.5x20	450	12.5x25	470
220	10x20	440	12.5x20	490	12.5x20	550	16x25	580
330	12.5x20	550	12.5x20	600	12.5x25	710	16x31.5	730
470	12.5x25	680	16x25	760	16x25	850	16x35.5	910
680	16x25	840	16x25	910	16x31.5	1050	-	-
1000	16x25	1100	16x31.5	1140	18x35.5	1330	-	-
1500	16x35.5	1390	18x40	1480	-	-	-	-
2200	16x35.5	1580	-	-	-	-	-	-

Ripple Current: 85°C, 120Hz