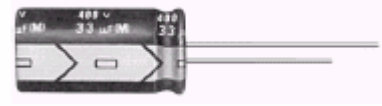


- High ripple current and highly dependable product withstanding load life of 2000 hours at 105 °C
- Downsized
- Suited for ballast application

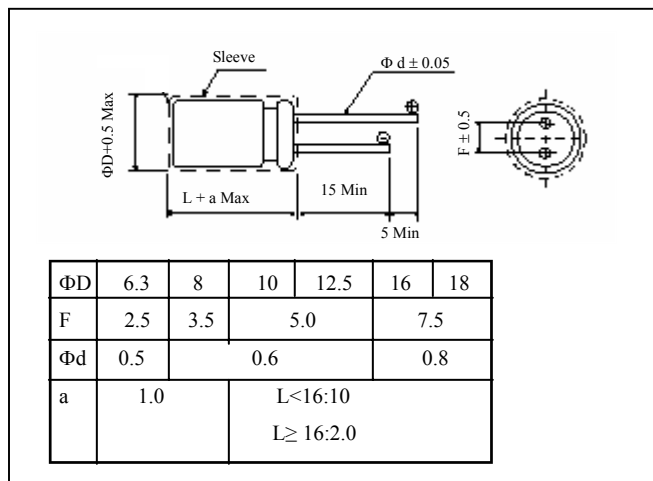


## ■ SPECIFICATIONS

Item	Characteristics														
Operating Temperature Range (°C)	-40~+105														
Rated Voltage Range (V)	160~450														
Capacitance Tolerance (25°C, 120Hz)	±20%														
Leakage Current (μA) (25°C)	$CV \leq 1000 \quad 0.01CV + 40 \mu A \text{ (1 minute)}$ $CV > 1000 \quad 0.04CV + 100 \mu A \text{ (1 minute)}$ C: Nominal capacitance (μ F) , V: Rated Voltage (V)														
Dissipation Factor (25°C, 120Hz)	<table border="1"> <tr> <td>Wv (V)</td> <td>160</td> <td>200</td> <td>250</td> <td>350</td> <td>400</td> <td>450</td> </tr> <tr> <td>tan δ</td> <td>0.20</td> <td>0.20</td> <td>0.20</td> <td>0.24</td> <td>0.24</td> <td>0.24</td> </tr> </table> <p>Add 0.02 per 1000μF for products of 1000μF or more.</p>	Wv (V)	160	200	250	350	400	450	tan δ	0.20	0.20	0.20	0.24	0.24	0.24
Wv (V)	160	200	250	350	400	450									
tan δ	0.20	0.20	0.20	0.24	0.24	0.24									
Load Life (+105°C)	<table border="1"> <tr> <td>Life Time</td> <td>≤ Φ 8 1000 hours, ≥Φ 10 2000 hours</td> </tr> <tr> <td>Leakage Current</td> <td>Not more than the specified value</td> </tr> <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> </table>	Life Time	≤ Φ 8 1000 hours, ≥Φ 10 2000 hours	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						
Life Time	≤ Φ 8 1000 hours, ≥Φ 10 2000 hours														
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														
Shelf Life (+105°C)	After test : (V) to be applied for 30 minutes, 24 to 48 hours before measurement.														

## ■ DIMENSIONS

mm



## ■ MULTIPLIER FOR RIPPLE CURRENT

### Frequency coefficient

Freq (Hz)	50	120	500	1K	≥10K
	Cap (μ F)				
1~47	0.80	1.00	1.20	1.30	1.50
100~330	0.80	1.00	1.10	1.15	1.20

### Temperature coefficient

Temperature (° C)	+70	+85	+105
Factor	1.8	1.4	1.0

Wv (V) Cap (μF)	160		200		250	
	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL(mm)	mArms	ΦDxL(mm)	mArms	ΦDxL(mm)	mArms
1	-	-	-	-	6.3x11	13
2.2	-	-	-	-	6.3x11	23
3.3	-	-	6.3x11	26	6.3x11	35
					8x11.5	42
4.7	6.3x11	35	6.3x11	40	8x11.5	50
			8x11.5	50		
10	8x11.5	60	10x12.5	70	10x12.5	75
					10x16	88
22	10x16	110	10x20	125	10x20	130
					12.5x20	155
33	10x20	145	10x20	165	12.5x20	170
			12.5x20	190		
47	10x20	195	12.5x20	200	12.5x25	220
	12.5x20	220				
100	12.5x25	290	16x25	335	16x31.5	360
220	16x31.5	540	16x35.5	580	-	-
	16x35.5	580	18x35.5	620	-	-
330	18x35.5	700	-	-	-	-

Ripple Current at 105°C, 120HZ

Wv (V) Cap (μ F)	350		400		450	
	Size	Ripple	Size	Ripple	Size	Ripple
	ΦDxL (mm)	mArms	ΦDxL (mm)	mArms	ΦDxL (mm)	mArms
1	6.3x11	16	6.3x11	15	6.3x11	15
					8x11.5	18
2.2	6.3x11	25	8x11.5	29	10x12.5	25
	8x11.5	31	10x12.5	34		
3.3	8x11.5	40	10x12.5	40	10x12.5	33
	10x12.5	45	10x16	45	10x12.5	41
4.7	10x12.5	50	10x16	52	10x16	42
		50	10x20	57	10x20	49
10	10x25	80	10x20	85	12.5x20	67
			12.5x20	96		
22	12.5x20	135	12.5x25	140	16x25	115
	12.5x25	150				
33	16x25	195	16x25	200	16x31.5	155
47	16x25	230	16x31.5	250	16x35.5	185
	16x31.5	250	-	-	-	-
100	18x35.5	357	-	-	-	-
	18x40	400	-	-	-	-

Ripple Current at 105°C, 120 Hz

## ■ TYPICAL CURVES

