

FV Long Life for 85°C

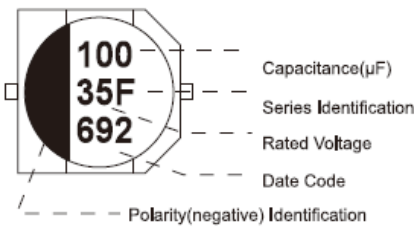
- Endurance: 85°C, 3000~5000 hours
- Recommended Applications: Suitable for AV(TV, Video, Audio), Monitor/Computer, Home appliance, OA/HA/Communication
- Corresponding product to RoHS



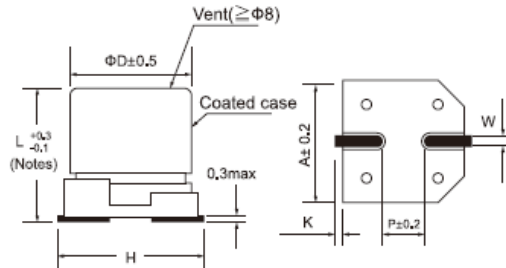
Specifications

Item	Characteristics																																								
Category Temperature Range	-55 ~ +85°C																																								
Rated Voltage Range	4 ~ 100VDC																																								
Rated Capacitance Range	1 ~ 1000 μF																																								
Capacitance Tolerance	± 20 % at 120Hz, 20°C																																								
Leakage Current (20°C)	$I \leq 0.01CV$ or $3 \mu A$, whichever is greater. (After rated voltage applied for 2 minutes) I : Max. leakage current (μA), C : Nominal capacitance (μF), V : Rated voltage (V)																																								
Dissipation Factor(MAX) (tan δ) (120Hz, 20°C)	Shown in the table of standard rating																																								
Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <thead> <tr> <th>WV</th> <th>4</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>Z(120HZ)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z(-25°C) / Z(20°C)</td> <td>7</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z(-40°C) / Z(20°C)</td> <td>15</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	WV	4	6.3	10	16	25	35	50	63	100	Z(120HZ)										Z(-25°C) / Z(20°C)	7	4	3	2	2	2	2	2	2	Z(-40°C) / Z(20°C)	15	8	6	4	4	3	3	3	3
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Endurance	<p>After applying rated voltage for 3000~5000hours at 85°C, Stay back to 20 °C temperature measurement, the capacitors shall meet the following requirements.</p> <table border="1"> <tbody> <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> </tbody> </table> <table border="1"> <tbody> <tr> <td>DΦ</td> <td>4x5.4~6.3x7.7</td> <td>8x10.2~10x10.2</td> </tr> <tr> <td>Life time (hours)</td> <td>3000</td> <td>5000</td> </tr> </tbody> </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	DΦ	4x5.4~6.3x7.7	8x10.2~10x10.2	Life time (hours)	3000	5000																												
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Shelf Life	After placed at 85°C without voltage applied for 1000 hours, Stay back to 20 °C temperature measurement, the capacitor shall meet the same requirement as Endurance.																																								

MARKING



Dimensions [mm]



(Notes) Φ8 ~ Φ10&6.3X7.7=L±0.3

Dimensions	ΦD	L	A	H	W	P	K
B01	4.0	5.4	4.3	5.5 Max	0.65±0.1	1.0	0.35+0.15/-0.2
C01	5.0	5.4	5.3	6.5 Max	0.65±0.1	1.5	0.35+0.15/-0.2
E01	6.3	5.4	6.6	7.8 Max	0.65±0.1	1.8	0.35+0.15/-0.2
E04	6.3	7.7	6.6	7.8 Max	0.65±0.1	1.8	0.35+0.15/-0.2
G03	8.0	10.2	8.3	10.0 Max	0.90±0.2	3.1	0.70±0.20
H03	10.0	10.2	10.3	12.0 Max	0.90±0.2	4.6	0.70±0.20

Multiplier for Ripple Current

Frequency (Hz)	60	120	1K	10K
Coefficient	0.80	1.00	1.15	1.25

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms 85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms 85°C) (120Hz)
4(5)	22	4x5.4	0.35	19	25(32)	22	6.3x5.4	0.14	55
	33	4x5.4	0.35	26		33	6.3x5.4	0.14	65
	47	4x5.4	0.35	34		47	6.3x5.4	0.20	70
	100	5X5.4	0.35	61			6.3x7.7	0.16	96
	220	6.3X5.4	0.35	82		100	8x10.2	0.16	180
6.3(8)	22	4x5.4	0.26	20		220	10x10.2	0.16	310
	33	5x5.4	0.26	22	35(44)	2.2	4x5.4	0.12	8
	47	5x5.4	0.26	46		3.3	4x5.4	0.12	10
	100	6.3x5.4	0.26	71		4.7	4x5.4	0.12	22
	220	6.3x7.7	0.35	250		10	4x5.4	0.16	24
	330	6.3x7.7	0.35	300			5x5.4	0.12	30
	470	8x10.2	0.35	380		22	6.3x5.4	0.12	60
	1000	10x10.2	0.35	700		33	6.3x7.7	0.14	130
10(13)	22	4x5.4	0.30	28		47	6.3x7.7	0.14	165
	33	4x5.4	0.30	29		100	10x10.2	0.14	210
		5x5.4	0.20	43		220	10x10.2	0.14	310
	47	5x5.4	0.30	43	50(63)	1	4x5.4	0.12	10
	100	6.3x5.4	0.26	70		2.2	4x5.4	0.12	16
	220	6.3x7.7	0.26	250		3.3	4x5.4	0.12	16
	330	8x10.2	0.26	330		4.7	5x5.4	0.12	23
	470	10x10.2	0.26	400		10	6.3x5.4	0.12	35
1000	10x10.2	0.26	580	22		6.3x7.7	0.12	110	
16(20)	4.7	4x5.4	0.16	20		33	8x10.2	0.12	120
	10	4x5.4	0.16	28		47	10X10.2	0.12	130
	22	4x5.4	0.26	27		100	10x10.2	0.12	190
		5x5.4	0.16	39		63(79)	4.7	8X10.2	0.18
	33	5x5.4	0.26	45	10		8X10.2	0.18	25
		6.3x5.4	0.16	66	22		8x10.2	0.18	45
	47	6.3x5.4	0.16	70	33		10x10.2	0.18	45
	100	6.3x5.4	0.20	70	47	10x10.2	0.18	55	
	220	8X10.2	0.20	280	100(125)	3.3	8X10.2	0.18	30
	330	10X10.2	0.2	380		4.7	8X10.2	0.18	80
470	10X10.2	0.2	420	10		8X10.2	0.18	85	
25(32)	4.7	4x5.4	0.14	22		22	10X10.2	0.18	85
	10	4x5.4	0.20	24		33	10X10.2	0.18	90
		5x5.4	0.14	28					