



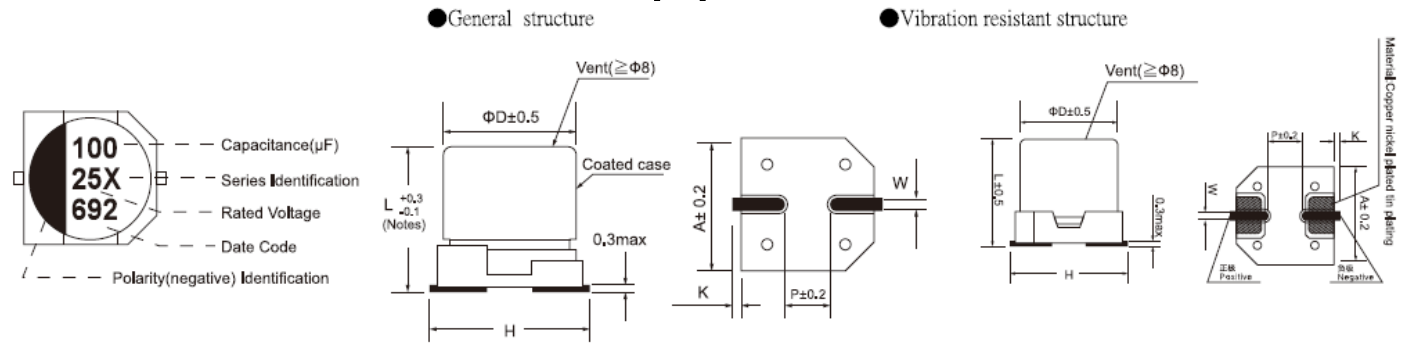
- Endurance: 105°C, 3000~5000 hours
- Recommended Applications: Suitable for AV(TV,Video,Audio),Monitor/Computer, Home appliance, OA/HA/Communication,Industrial, Automobile, Meter.
- Corresponding product to RoHS

Specifications

Item	Characteristics																					
Category Temperature Range	-55 ~ +105°C																					
Rated Voltage Range	6.3~ 50VDC																					
Rated Capacitance Range	1 ~ 1000 μ F																					
Capacitance Tolerance	$\pm 20\%$ 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 Z(120HZ)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C) / Z(20°C)</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>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	WV Z(120HZ)	6.3	10	16	25	35	50	Z(-25°C) / Z(20°C)	2	2	2	2	2	2	Z(-40°C) / Z(20°C)	3	3	3	3	3	3
WV Z(120HZ)	6.3	10	16	25	35	50																
Z(-25°C) / Z(20°C)	2	2	2	2	2	2																
Z(-40°C) / Z(20°C)	3	3	3	3	3	3																
Endurance	<p>After applying rated voltage for 3000~5000hrs at 105°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 $\pm 30\%$ 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> <tr> <td>DΦ</td> <td>4x5.4~6.3x7.7</td> <td>8x10.2~10x10.2</td> </tr> <tr> <td>Life</td> <td>3000hrs</td> <td>5000hrs</td> </tr> </tbody> </table>	Capacitance Change	Within $\pm 30\%$ of the initial value	Dissipation Factor	Not more than 200% of the specified value	Leakage Current	Not more than the specified value	D Φ	4x5.4~6.3x7.7	8x10.2~10x10.2	Life	3000hrs	5000hrs									
Capacitance Change	Within $\pm 30\%$ of the initial value																					
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D Φ	4x5.4~6.3x7.7	8x10.2~10x10.2																				
Life	3000hrs	5000hrs																				
Shelf Life	After placed at 105°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) $\Phi 8 \sim \Phi 10 \& 6.3 \times 7.7 = L \pm 0.3$

Dimensions	ΦD	L	A	H	W	P	K
B01	4.0	5.4	4.3	5.5 Max	0.65 \pm 0.1	1.0	0.35+0.15/-0.2
C01	5.0	5.4	5.3	6.5 Max	0.65 \pm 0.1	1.5	0.35+0.15/-0.2
E01	6.3	5.4	6.6	7.8 Max	0.65 \pm 0.1	1.8	0.35+0.15/-0.2
E04	6.3	7.7	6.6	7.8 Max	0.65 \pm 0.1	1.8	0.35+0.15/-0.2
G02	8.0	6.2	8.3	9.5 Max	0.65 \pm 0.1	2.2	0.35+0.15/-0.2
G03	8.0	10.2	8.3	10.0 Max	0.90 \pm 0.2	3.1	0.70 \pm 0.20
H03	10.0	10.2	10.3	12.0 Max	0.90 \pm 0.2	4.6	0.70 \pm 0.20

Multiplier for Ripple Current

Frequency (Hz)	120	1K	10K	100K
Coefficient	0.70	0.80	0.90	1.00

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms 105°C 100KHz)	Impedance (Ω,20°C) (100KHz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size Φ DxL(mm)	tan δ	Ripple current (mA/rms 105°C 100KHz)	Impedance (Ω,20°C) (100KHz)		
6.3 (8)	22	4x5.4	0.26	90	1.93	16 (20)	470	8x10.2	0.16	600	0.16		
	33	4x5.4	0.26	90	1.93			10x10.2	0.16	850	0.12		
	47	5x5.4	0.26	160	1.00			680	10x10.2	0.16	850	0.12	
	10 (13)	100	6.3x5.4	0.26	240	0.52	35 (44)	47	4.7	4x5.4	0.12	90	1.93
		150	6.3x7.7	0.26	240	0.30			10	5x5.4	0.12	160	1.00
		220	6.3x5.4	0.26	240	0.52			15	5x5.4	0.12	160	1.00
			6.3x7.7	0.26	240	0.30			22	5x5.4	0.12	160	1.00
			8x10.2	0.26	600	0.26			33	6.3x5.4	0.12	240	0.52
		330	8x10.2	0.26	600	0.16			100	6.3x5.4	0.12	240	0.52
		470	8x10.2	0.26	600	0.16				6.3x7.7	0.12	280	0.34
680		10x10.2	0.26	850	0.12	8x6.2				0.12	300	0.26	
		10x10.2	0.26	850	0.12	8x10.2				0.12	280	0.34	
16 (20)		22	4x5.4	0.19	90	1.93				68	6.3x7.7	0.12	280
	33	5x5.4	0.19	160	1.00	150				6.3x7.7	0.12	230	0.40
	47	6.3x5.4	0.19	190	0.52				8x10.2	0.12	600	0.16	
	100	6.3x5.4	0.19	190	0.52				10x10.2	0.12	670	0.16	
		6.3x7.7	0.19	190	0.52	220			8x10.2	0.12	600	0.16	
	150	6.3x5.4	0.19	190	0.52		8x10.2	0.12	850	0.12			
		6.3x7.7	0.19	240	0.34	330	10x10.2	0.12	850	0.12			
	6.3x7.7	0.19	240	0.34	50 (63)		1	4x5.4	0.12	60	5.00		
	8x6.2	0.19	240	0.34		2.2	4x5.4	0.12	60	5.00			
	8x10.2	0.19	600	0.16		3.3	4x5.4	0.12	60	5.00			
330	8x10.2	0.19	600	0.16		4.7	5x5.4	0.12	95	4.00			
470	8x10.2	0.19	600	0.16		10	6.3x5.4	0.12	140	2.60			
	10x10.2	0.19	850	0.12		22	6.3x5.4	0.12	70	2.00			
680	10x10.2	0.19	850	0.12			6.3x7.7	0.12	230	1.30			
	1000	10x10.2	0.19	850		0.12	33	8x10.2	0.12	350	0.50		
6.3 (8)	10	4x5.4	0.16	90		1.93	47	6.3x7.7	0.12	230	1.30		
	22	5x5.4	0.16	160		1.00		8x10.2	0.12	350	0.50		
	33	6.3x5.4	0.16	240	0.52	10x10.2		0.12	670	0.34			
	47	5x5.4	0.16	160	1.00	68	8x10.2	0.12	350	0.50			
		6.3x5.4	0.16	240	0.52		10x10.2	0.12	670	0.34			
	100	6.3x5.4	0.16	240	0.52	100	8x10.2	0.12	350	0.50			
		6.3x7.7	0.16	280	0.34		10x10.2	0.12	670	0.34			
		8x10.2	0.16	300	0.29	150	8x10.2	0.12	350	0.50			
	150	6.3x7.7	0.16	280	0.34		10x10.2	0.12	670	0.34			
		8x10.2	0.16	370	0.22	220	10x10.2	0.12	670	0.34			
220	8x10.2	0.16	370	0.22	10x10.2		0.12	670	0.34				
330	8x10.2	0.16	600	0.16									