

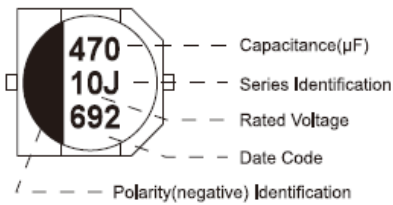
- Endurance: 105°C, 2000 hours
- Recommended Applications: AV(TV,Video,Audio) ,Monitor/Computer,OA/HA/Communication ,SMPS
- Corresponding product to RoHS



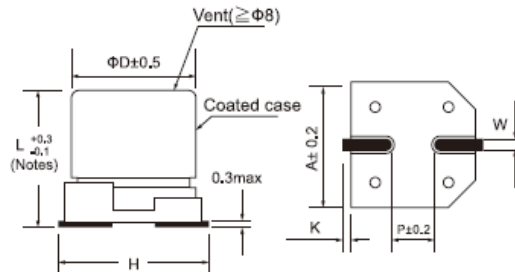
Specifications

Item	Characteristics																		
Category Temperature Range	-55 ~ +105°C																		
Rated Voltage Range	6.3~ 50VDC																		
Rated Capacitance Range	1 ~ 1500 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 rowspan="2">WV Z(120HZ)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</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> </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> </tr> </tbody> </table>	WV Z(120HZ)	6.3	10	16	25	35	Z(-25°C) / Z(20°C)	2	2	2	2	2	Z(-40°C) / Z(20°C)	3	3	3	3	3
WV Z(120HZ)	6.3		10	16	25	35													
	Z(-25°C) / Z(20°C)	2	2	2	2	2													
Z(-40°C) / Z(20°C)	3	3	3	3	3														
Endurance	<p>After applying rated voltage for 2000hrs 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> </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												
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																		
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 ± 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	$0.35 + 0.15 / - 0.2$
G02	8.0	6.2	8.3	9.5 Max	0.65 ± 0.1	2.2	$0.35 + 0.15 / - 0.2$
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)	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)	47	4x5.4	0.26	90	1.93	16 (20)	47	5x5.4	0.16	160	1.00
	68	4x5.4	0.26	90	1.93		68	5x5.4	0.16	160	1.00
	100	5x5.4	0.26	160	1.00		100	6.3x5.4	0.16	240	0.52
	150	5x5.4	0.26	160	1.00		150	6.3x5.4	0.16	240	0.52
		6.3x5.4	0.26	240	0.52			6.3x7.7	0.16	280	0.34
	220	6.3x5.4	0.26	240	0.52		220	6.3x7.7	0.16	280	0.34
	330	6.3x5.4	0.26	240	0.52		330	6.3x7.7	0.16	280	0.34
		6.3x7.7	0.26	280	0.34			8x10.2	0.16	600	0.16
	470	6.3x7.7	0.26	280	0.34		470	8x10.2	0.16	600	0.16
		8x6.2	0.26	280	0.34			8x10.2	0.16	600	0.16
	680	8x10.2	0.26	600	0.16		680	10x10.2	0.16	850	0.08
	1000	8x10.2	0.26	600	0.16		1000	10x10.2	0.16	850	0.08
	1200	8x10.2	0.26	600	0.16		1200	10x10.2	0.26	850	0.08
10x10.2		0.26	850	0.08	1500	10x10.2		0.26	850	0.08	
1800	10x10.2	0.26	850	0.08	1800	10x10.2	0.26	850	0.08		
10 (13)	33	4x5.4	0.19	90	1.93	25 (32)	10	4x5.4	0.14	90	1.93
	47	4x5.4	0.19	90	1.93		22	4x5.4	0.14	90	1.93
		5x5.4	0.19	160	1.00			5x5.4	0.14	160	1.00
	68	4x5.4	0.19	90	1.93		33	5x5.4	0.14	160	1.00
		5x5.4	0.19	160	1.00			47	5x5.4	0.14	160
	100	5x5.4	0.19	160	1.00		47	6.3x5.4	0.14	240	0.52
		6.3x5.4	0.19	240	0.52			68	6.3x5.4	0.14	240
	150	5x5.4	0.19	160	1.00		100	6.3x5.4	0.14	240	0.52
		6.3x5.4	0.19	240	0.52			6.3x7.7	0.14	280	0.34
	220	6.3x5.4	0.19	240	0.52		150	6.3x7.7	0.14	280	0.34
		6.3x7.7	0.19	280	0.34			220	8x10.2	0.14	600
	330	6.3x7.7	0.19	280	0.34		330	8x10.2	0.14	600	0.16
		6.3x7.7	0.19	280	0.34			470	10x10.2	0.14	850
	470	6.3x7.7	0.19	280	0.34		470	10x10.2	0.14	850	0.08
		8x10.2	0.19	600	0.16			560	10x10.2	0.14	850
	680	8x10.2	0.19	600	0.16		10	4x5.4	0.12	90	1.93
8x10.2		0.19	600	0.16	22	5x5.4		0.12	160	1.00	
1000	8x10.2	0.19	600	0.16	33	5x5.4	0.12	160	1.00		
	10x10.2	0.19	850	0.08		6.3x5.4	0.12	240	0.52		
1200	10x10.2	0.19	850	0.08	47	6.3x5.4	0.12	240	0.52		
	10x10.2	0.19	850	0.08		68	6.3x5.4	0.12	240	0.52	
16 (20)	22	4x5.4	0.16	90	1.93	35 (44)	68	6.3x7.7	0.12	280	0.34
	33	4x5.4	0.16	90	1.93		100	6.3x7.7	0.12	280	0.34
	47	4x5.4	0.16	90	1.93		150	6.3x7.7	0.12	280	0.34
		5x5.4	0.16	160	1.00			150	8x10.2	0.12	600
	68	5x5.4	0.16	160	1.00		220	8x10.2	0.12	600	0.16
		6.3x5.4	0.16	240	0.52			330	10x10.2	0.12	850