

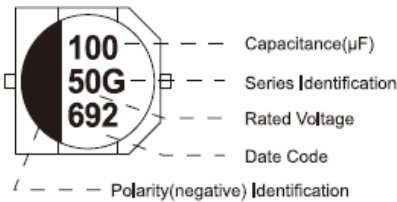


- Endurance: 85°C, 2000 hours
- Recommended Applications: Suitable for AV(TV, Video, Audio), Monitor/Computer, Home appliance, OA/HA/Communication
- Corresponding product to RoHS

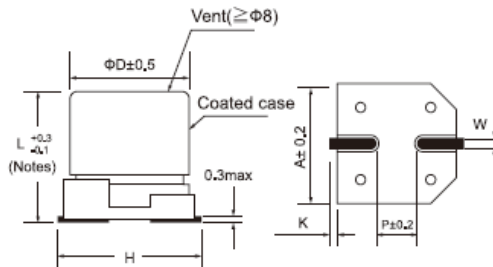
Specifications

Item	Characteristics																														
Category Temperature Range	-55 ~ +85°C																														
Rated Voltage Range	4 ~ 100VDC																														
Rated Capacitance Range	1 ~ 1500 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 Z(120HZ)</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(-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 Z(120HZ)	4	6.3	10	16	25	35	50	63	100	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
WV Z(120HZ)	4	6.3	10	16	25	35	50	63	100																						
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																						
Endurance	<p>After applying rated voltage for 2000hrs 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>	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																								
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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
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)	60	120	1K	10K
Coefficient	0.80	1.00	1.15	1.25

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μF)	Case size ΦDxL(mm)	tan δ	Ripple current (mA/rms 85°C) (120Hz)
4(5)	33	4x5.4	0.35	26	25(32)	10	4x5.4	0.20	24
	47	4x5.4	0.35	34			5x5.4	0.14	28
	100	5x5.4	0.35	61			6.3x5.4	0.14	28
	220	6.3x5.4	0.35	82		22	5x5.4	0.20	35
	330	6.3x5.4	0.35	80			6.3x5.4	0.14	55
	470	6.3x7.7	0.35	200		33	5x5.4	0.20	42
6.3(8)	22	4x5.4	0.26	20			6.3x5.4	0.14	65
	33	4x5.4	0.26	22		47	6.3x5.4	0.20	70
		4x5.4	0.26	36			6.3x7.7	0.16	96
	100	5x5.4	0.26	46			8x6.2	0.16	63
		5x5.4	0.26	47		100	6.3x5.4	0.20	80
		6.3x5.4	0.26	71			6.3x7.7	0.16	143
	6.3x7.7	0.26	143	8x6.2			0.16	143	
	220	6.3x5.4	0.35	74		8x10.2	0.16	180	
		6.3x7.7	0.35	235		180	8x10.2	0.16	210
	330	6.3x7.7	0.35	280			220	8x10.2	0.16
		8x6.2	0.35	280		10x10.2		0.16	310
	470	8x6.2	0.35	312		330	8x10.2	0.16	270
		8x10.2	0.35	380			10x10.2	0.16	340
	1000	8x10.2	0.35	500		470	10x10.2	0.16	380
		10x10.2	0.35	700			35(44)	2.2	4x5.4
1500		10x10.2	0.35	750		3.3		4x5.4	0.12
10(13)	10	4x5.4	0.30	20		5x5.4		0.12	11
	22	4x5.4	0.30	28		4.7		4x5.4	0.12
		5x5.4	0.30	40	4x5.4			0.16	24
	33	4x5.4	0.30	29	10	5x5.4		0.12	30
		5x5.4	0.20	43		22		5x5.4	0.16
	47	5x5.4	0.30	43	6.3x5.4			0.12	60
		6.3x5.4	0.30	66	33	6.3x5.4		0.16	60
	100	5x5.4	0.30	43		6.3x7.7		0.14	130
		6.3x5.4	0.26	70	47	6.3x5.4		0.16	70
	150	6.3x5.4	0.26	86		6.3x7.7		0.14	165
		6.3x5.4	0.26	110		8x6.2		0.14	165
	220	6.3x7.7	0.26	250	100	6.3x7.7		0.14	140
		8x6.2	0.26	250		8x10.2		0.14	180
	330	8x10.2	0.26	330	220	10x10.2	0.14	210	
		8x10.2	0.26	390		8x10.2	0.14	200	
	470	10x10.2	0.26	400	150	10x10.2	0.14	310	
		8x10.2	0.26	420		8x10.2	0.14	180	
	1000	10x10.2	0.26	580	330	10x10.2	0.14	350	
16(20)	1	4x5.4	0.16	10	50(63)	1	4x5.4	0.12	10
	4.7	4x5.4	0.16	20		2.2	4x5.4	0.12	16
	10	4x5.4	0.16	28		3.3	4x5.4	0.12	16
		5x5.4	0.16	28			4x5.4	0.14	18
	22	4x5.4	0.26	28		4.7	5x5.4	0.12	23
		5x5.4	0.16	39			10	5x5.4	0.14
	33	4x5.4	0.26	30		6.3x5.4		0.12	35
		5x5.4	0.26	45		22	6.3x5.4	0.14	40
		6.3x5.4	0.16	66			6.3x7.7	0.12	90
	47	5x5.4	0.16	45		33	6.3x7.7	0.12	90
		6.3x5.4	0.16	70			8x6.2	0.12	95
		8x6.2	0.16	85			8x10.2	0.12	120
	100	6.3x5.4	0.20	70		47	6.3x7.7	0.12	90
		6.3x7.7	0.20	85			8x6.2	0.12	100
		8x6.2	0.2	85			8x10.2	0.12	120
	220	6.3x7.7	0.20	162		56	8x10.2	0.12	130
		8x10.2	0.20	280			100	8x10.2	0.12
	330	8x10.2	0.20	320		220		10x10.2	0.12
		10x10.2	0.20	380	10x10.2		0.12	300	
	470	8x10.2	0.20	350	63(79)	4.7	5x5.4	0.18	20
		10x10.2	0.20	420			6.3x5.4	0.18	20
	680	10x10.2	0.20	500			10	6.3x5.4	0.18
	25(32)	4.7	4x5.4	0.14	22	22	6.3x7.7	0.18	40

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 85°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 85°C) (120Hz)
63(79)	22	8x6.2	0.18	40	100(125)	4.7	6.3x7.7	0.18	50
		8x10.2	0.18	40			8x10.2	0.18	50
	33	8x10.2	0.18	45		10	6.3x7.7	0.18	50
	47	8x10.2	0.18	45			8X10.2	0.18	55
		10x10.2	0.18	55		22	8X10.2	0.18	55
100	10x10.2	0.18	60	10X10.2			0.18	85	
100(125)	3.3	6.3X7.7	0.18	50		33	10X10.2	0.18	90
	4.7	6.3x5.4	0.18	40		47	10x10.2	0.18	95