

DV

General purpose Series

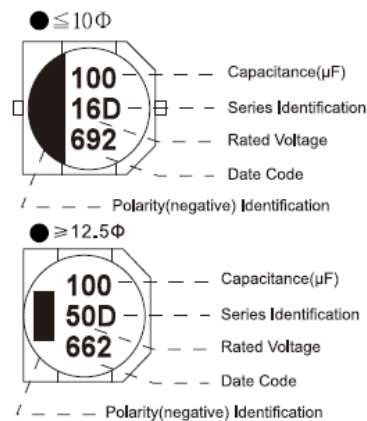


- Endurance: 105°C, 2000 hours
- Recommended Applications: Suitable for AV(TV, Video, Audio), Monitor/Computer, Home appliance, OA/HA/Communication, Industrial, Automobile, Meter.
- Corresponding product to RoHS

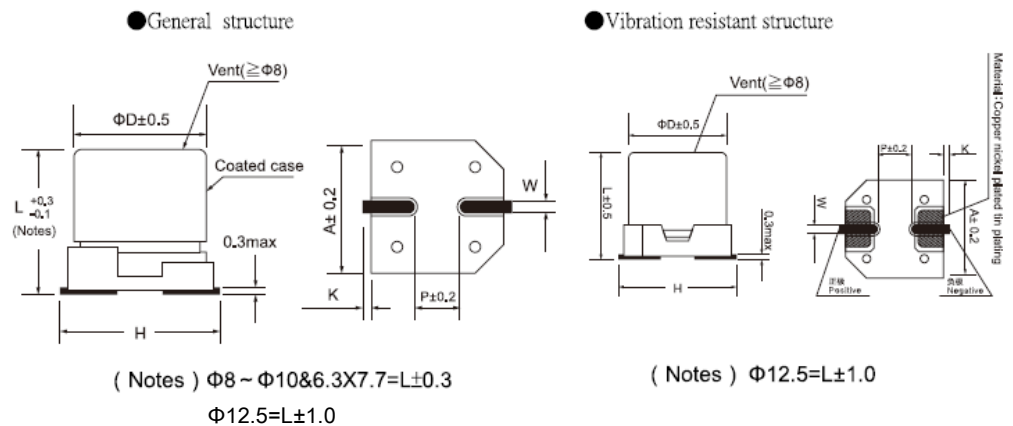
Specifications

Item	Characteristics																													
Category Temperature Range	-55 ~ +105°C	-25 ~ +105°C																												
Rated Voltage Range	6.3 ~ 100VDC	160~450VDV																												
Rated Capacitance Range	1~ 2200 μF																													
Capacitance Tolerance	± 20 % (120Hz, 20°C)																													
Leakage Current (20°C)	4~10Φ	12.5																												
	I ≤ 0.01CV or 3(μA), whichever is greater. I ≤ 0.01CV or 3(μA), whichever is greater.																													
	(After rated voltage applied for 2 minutes)																													
	I = 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 ratings																													
Low Temperature Stability Impedance Ratio (MAX)	<table border="1"> <thead> <tr> <th>WV</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35~100</th> <th>160~450</th> </tr> </thead> <tbody> <tr> <td>Z(120HZ)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Z(-25°C) / Z(20°C)</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>4</td> </tr> <tr> <td>Z(-40°C) / Z(20°C)</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>—</td> </tr> </tbody> </table>		WV	6.3	10	16	25	35~100	160~450	Z(120HZ)							Z(-25°C) / Z(20°C)	4	3	2	2	2	4	Z(-40°C) / Z(20°C)	8	6	4	4	3	—
	WV	6.3	10	16	25	35~100	160~450																							
	Z(120HZ)																													
Z(-25°C) / Z(20°C)	4	3	2	2	2	4																								
Z(-40°C) / Z(20°C)	8	6	4	4	3	—																								
Endurance	After applying rated voltage for 2000hrs at 105°C, Stay back to 20 °C temperature measurement, the capacitors shall meet the following requirements.																													
	Case (Φ)	4~6.3 Φ																												
	Capacitance Change	Within ±25% of the initial value																												
	Dissipation Factor	Not more than 200% of 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]



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
K05	12.5	13.5	10.3	15.0 Max	1.20±0.2	4.4	0.70±0.30
K06	12.5	16	10.3	15.0 Max	1.20±0.2	4.4	0.70±0.30
M06	16.0	16.5	10.3	19.0 Max	1.20±0.2	6.4	0.70±0.30

Multiplier for Ripple Current

Frequency (Hz)	60	120	1K	10K
Coefficient	0.85	1.00	1.15	1.25

■ **STANDARD RATINGS**

Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ D x L (mm)	tan δ	Ripple current (mA/rms 105°C) (120Hz)	Rated Voltage (Surge Voltage) (V)	Cap (μF)	Case size Φ D x L (mm)	tan δ	Ripple current (mA/rms 105°C) (120Hz)	
6.3(8)	22	4x5.4	0.30	26	25(32)	47	6.3x7.7	0.16	91	
	33	4x5.4	0.30	29		100	6.3x7.7	0.16	100	
	47	4x5.4	0.30	31			8x6.2	0.16	100	
		5x5.4	0.30	46			8x10.2	0.16	230	
	100	5x5.4	0.30	47		220	8x10.2	0.16	230	
		6.3x5.4	0.30	71			10x10.2	0.16	310	
	220	6.3x5.4	0.35	80			330	8x10.2	0.16	290
		6.3x7.7	0.35	120		10x10.2		0.16	380	
	330	6.3x7.7	0.35	140		470	10x10.2	0.16	380	
		8x6.2	0.35	140		1000	12.5x13.5	0.26	510	
		8x10.2	0.35	290		1500	12.5x16	0.26	590	
		8x10.2	0.35	290		2200	16x16.5	0.26	900	
	470	10x10.2	0.35	380		35(44)	4.7	4x5.4	0.12	22
		1000	8x10.2	0.35			290	6.8	4x5.4	0.12
10x10.2			0.35	410	10		5x5.4	0.12	30	
1500		10x10.2	0.35	460	22		5x5.4	0.14	35	
		12.5x13.5	0.35	680			6.3x5.4	0.14	60	
10(13)		10	4x5.4	0.22	20		33	6.3x7.7	0.14	80
	22	4x5.4	0.22	23	8x6.2			0.14	80	
	33	4x5.4	0.22	26	47			6.3x5.4	0.14	60
		5x5.4	0.22	45			6.3x7.7	0.14	100	
	47	5x5.4	0.22	60			8x10.2	0.14	210	
		6.3x5.4	0.22	70	100		6.3x7.7	0.14	105	
	100	5x5.4	0.30	60			8x10.2	0.14	240	
		6.3x5.4	0.30	71			10x10.2	0.14	310	
		6.3x7.7	0.30	110			12.5x13.5	0.14	390	
	220	6.3x7.7	0.30	120	220	8x10.2	0.14	260		
		8x6.2	0.30	120		10x10.2	0.14	350		
		8x10.2	0.26	260	330	10x10.2	0.14	370		
		330	6.3x7.7	0.3	200	470	12.5x13.5	0.22	520	
	8x10.2		0.30	290	680	12.5x13.5	0.22	590		
470	8x10.2	0.30	320	1000	16x16.5	0.22	800			
	10x10.2	0.26	380	1500	16x16.5	0.22	1000			
680	8x10.2	0.3	360	50(63)	1	4x5.4	0.12	10		
1000	10x10.2	0.26	410		2.2	4x5.4	0.12	16		
2200	12.5x13.5	0.30	680		3.3	4x5.4	0.12	16		
16(20)	10	4x5.4	0.16		28	4.7	5x5.4	0.12	23	
	22	4x5.4	0.16		29	6.8	5x5.4	0.12	30	
		5x5.4	0.16		39	10	5x5.4	0.12	35	
	33	5x5.4	0.16		40		6.3x5.4	0.12	40	
		47	5x5.4		0.16	42	22	6.3x5.4	0.12	42
	6.3x5.4		0.16		70	6.3x7.7		0.12	65	
	100	6.3x5.4	0.20		71	33	6.3x7.7	0.12	91	
		6.3x7.7	0.20		130		8x6.2	0.12	110	
		6.3x7.7	0.20		130		47	6.3x7.7	0.12	110
	220	8x6.2	0.20		130	8x6.2		0.12	110	
		8x10.2	0.20		150	8x10.2		0.12	210	
		10x10.2	0.20	210	100	8x10.2	0.12	240		
	330	10x10.2	0.20	230		10x10.2	0.12	320		
	470	8x10.2	0.20	240	150	10x10.2	0.12	300		
10x10.2		0.20	380	220	10x10.2	0.12	330			
1000	12.5x13.5	0.34	550	330	12.5x13.5	0.16	490			
2200	16x16.5	0.34	900	470	12.5x16	0.18	550			
25(32)	3.3	4x5.4	0.14	18	1000	16x16.5	0.18	800		
	4.7	4x5.4	0.14	22	100(125)	10	6.3x7.7	0.18	50	
	6.8	4x5.4	0.14	25		22	8x10.2	0.18	100	
	10	4x5.4	0.14	25		33	8x10.2	0.18	120	
		5x5.4	0.14	28			10x10.2	0.18	150	
	22	5x5.4	0.14	28			47	10x10.2	0.18	170
		6.3x5.4	0.14	55		12.5x13.5		0.18	250	
	33	6.3x5.4	0.14	65		100		12.5x13.5	0.18	300
	47	6.3x5.4	0.16	65						

DV General purpose Series

■ STANDARD RATINGS

Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 105°C) (120Hz)	Rated Voltage (SurageVoltage) (V)	Cap (μ F)	Case size Φ DxL(mm)	$\tan \delta$ (%)	Ripple current (mA/rms 105°C) (120Hz)
160(200)	33	12.5x13.5	0.20	95	250(300)	33	16x16.5	0.20	180
	47	16x16.5	0.20	240		47	16x16.5	0.20	220
	100	16x16.5	0.20	250	400 (450)	3.3	12.5x13.5	0.25	40
200(250)	10	12.5x13.5	0.20	80		4.7	12.5x13.5	0.25	45
	22	12.5x16	0.20	110		10	12.5x13.5	0.25	50
	33	12.5x16	0.20	120		22	16x16.5	0.25	85
	47	16x16.5	0.20	220		33	16x16.5	0.25	85
250(300)	3.3	12.5x13.5	0.20	60	450 (500)	3.3	12.5x13.5	0.25	40
	4.7	12.5x13.5	0.20	65		4.7	12.5x13.5	0.25	45
	10	12.5x13.5	0.20	70		10	12.5x16	0.25	75
	22	12.5x13.5	0.20	105		22	16x16.5	0.25	85