●高壓長壽命品

OMVシリーズ JIS C 5101 CE-32

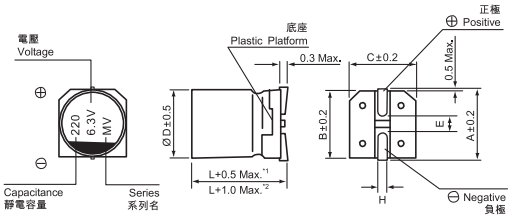
●High Voltage, Long Life Assurance

TYPE **OMV** JIS C 5101 CE-32

■FEATURES

- ·Operating with wide temperature range -55~+105℃
- ·High reliability, low ESR, high ripple current
- ·Load life of 3000 hours
- ·RoHS & REACH compliant, Halogen-free

■寸法図/DIAGRAM OF DIMENSIONS



*1. Applicable to Ø5~Ø8 適用於Ø5~Ø8
*2. Applicable to Ø10 and above 適用於Ø10 和Ø10 以上

ØD × L	6.3×6/6.5	8×8.7/9	8×7	8×9/10	8×12	10×8/10	10×12.7/13
A	7.3	7.0	9.0	9.0	9.0	11.0	11.0
B	6.6	6.6	8.3	8.3	8.3	10.3	10.3
C	6.6	6.6	8.3	8.3	8.3	10.3	10.3
E	2.1	2.1	3.2	3.2	3.2	4.6	4.6
L	6.0/6.5	8.7/9.0	7.0	9.0/10.0	12.0	8.0/10.0	12.7/13.0
H	0.5~0.8	0.5~0.8	0.8~1.1	0.8~1.1	0.8~1.1	0.8~1.1	0.8~1.1

■性　能/PERFORMANCE SPECIFICATIONS

カテゴリー温度範囲	CATEGORY TEMPERATURE RANGE	-55 ~ +125°C
標準静電容量許容差	STANDARD CAPACITANCE TOLERANCE	±20% at 120Hz, 20°C
漏れ電流 （最大値）	LEAKAGE CURRENT （MAX.VALUE）	≤Specified value (after 2 minutes application of rated voltage at 20°C)
損失角の正接 （最大値）	DISSIPASION FACTOR （MAX.VALUE）	≤Specified value at 120KHz, 20°C.
E.S.R	E.S.R.	≤Specified value at 100KHz, 20°C.
低温特性	Stability at Low Temperatu re	Measurement frequency 測試頻率：100KHz Impedance Ratio 阻抗比 ZT/Z20 (max)：Z(+105℃)/Z(20℃) ≤1.25；Z(-55℃)/Z(20℃) ≤1.25
耐久性	LOAD LIFE TEST	Capacitance Change: Within ±20% of initial value Dissipation Factor: 150% or less of initial specified value ESR: 150% or less of initial specified value Leakage Current: Initial specified value or less After 3000 hours application of the rated voltage at 105℃, they meet the characteristics listed below.
	MOISTURE RESISTANCE	After reflow soldering and restored at room temperature, they meet the characteristics listed below.
定格リプル電流補正係数	RIPPLE CURRENT & FREQUENCY MULTIPLIERS	Frequency(Hz): 120Hz ≤ f ≤ 1KHz / 1KHz ≤ f ≤ 10KHz / 10KHz ≤ f ≤ 100KHz / 100KHz ≤ f ≤ 300KHz Coefficient: 0.10 / 0.40 / 0.70 / 1.00

■定格リプル電流補正係数

リプル周波数が標準品一覧表の規定値と異なる場合には、下表の係数を乗じた値以下でご使用下さい。
When the ripple frequency differs from the spicification shown in the list of standard products, multiply the value with the coefficient shown below, and use the products under the obtained value.

周波数補正係数/FREQUENCY CORRECTION FACTOR

Cap.(μF)	Frequency (Hz)			
	120	1K	10K	100K
27 ~ 180	0.40	0.75	0.90	1.00
220 ~ 560	0.50	0.85	0.94	1.00
680 ~ 1800	0.60	0.87	0.95	1.00
2200 ~ 3900	0.75	0.90	0.95	1.00
4700 ~ 10000	0.85	0.95	0.98	1.00

■品番ご指定法 / HOW TO SPECIFY ITEM NUMBER

1C OMV □□ 101 M □ □□□□□□

- 寸法コード／Size Code
- 付記コード／Additional Code
- 静電容量許容差／Capacitance Tolerance
- 静電容量記号／Capacitance Symbol
- 形状記号／Style Symbol
- シリーズ名／Series Name
- 定格電圧／Rated Voltage

■寸法表／CASE SIZE TABLE

■Impedance[Max.Value Ω] at 20℃ 100kHz
■Ripple Current [Max. value mA] at 105℃ 100kHz

WV (V) / Parameter / Cap. (μF)		16 (1C)					20 (1D)				
		Case size ∅D×L (mm)	Dissipation factor (tan δ)	Leakage current (μA)	ESR (mΩ) max. 20℃, 100KHz	Ripple current (mA rms) 105℃, 100KHz	Case size ∅D×L (mm)	Dissipation factor (tan δ)	Leakage current (μA)	ESR (mΩ) max. 20℃, 100KHz	Ripple current (mA rms) 105℃, 100KHz
47	470						6.3 × 6	0.12	188	55	1000
56	560	6.3 × 6	0.12	179	50	1000	6.3 × 6	0.12	224	48	1300
68	680						8 × 7	0.12	272	45	1300
82	820	6.3 × 6	0.12	262	47	1300					
100	101	8 × 7	0.12	320	36	1500	8 × 7	0.12	400	42	1400
150	151	8 × 7	0.12	480	34	1700	8 × 10 (10 × 8)	0.12 (0.12)	600 (600)	28 (33)	2000 (1900)
180	181						10 × 8	0.12	720	25	3100
220	221	8 × 10 (10 × 8)	0.12 (0.12)	704 (704)	27 (31)	2000 (2000)	8 × 10 (8 × 12)	0.12 (0.12)	880 (880)	22 (27)	3700 (2300)
270	271	8 × 10 (8 × 12) (10 × 8)	0.12 (0.12) (0.12)	864 (864) (864)	21 (26) (24)	3800 (2300) (3200)	8 × 12 (10 × 10)	0.12 (0.12)	1080 (1080)	21 (27)	4000 (2300)
330	331	10 × 10	0.12	1056	26	2400	10 × 10 (10 × 12.7)	0.12 (0.12)	1320 (1320)	22 (26)	3800 (2700)
390	391	8 × 12	0.12	1248	20	4100					
470	471	10 × 10 (8 × 12)	0.12 (0.12)	1504 (1504)	21 (25)	3900 (2800)	10 × 12.7	0.12	1880	20	4300
680	681	10 × 12.7	0.12	2176	19	4400					

WV (V) / Parameter / Cap. (μF)		25 (1E)					35 (1V)				
		Case size ∅D×L (mm)	Dissipation factor (tan δ)	Leakage current (μA)	ESR (mΩ) max. 20℃, 100KHz	Ripple current (mA rms) 105℃, 100KHz	Case size ∅D×L (mm) 尺寸	Dissipation factor (tan δ)	Leakage current (μA)	ESR (mΩ) max. 20℃, 100KHz	Ripple current (mA rms) 105℃, 100KHz
18	180						6.3 × 6	0.12	126	64	900
22	220						6.3 × 6	0.12	154	50	1300
27	270						8 × 7	0.12	189	55	1200
33	330	6.3 × 6	0.12	165	60	1000					
39	390						8 × 7	0.12	273	52	1400
47	470	6.3 × 6	0.12	235	49	1300					
56	560	8 × 7	0.12	280	50	1300	6.3 × 6.5 (8 × 10)	0.12 (0.12)	392 (392)	49 (31)	1600 (1900)
68	680						10 × 8	0.12	476	37	1800
82	820	8 × 7	0.12	410	47	1400	8 × 10 (8 × 12) (10 × 8)	0.12 (0.12) (0.12)	574 (574) (574)	24 (29) (27)	3600 (2200) (3000)
100	101	8 × 9	0.12	500	29	1900	6.3 × 8.7 (6.3 × 9)	0.12 (0.12)	700 (700)	35 (35)	1450 (1450)
120	121	8 × 9 (8 × 10)	0.12 (0.12)	600 (600)	29 (35)	1900 (1900)	8 × 12 (10 × 10)	0.12 (0.12)	840 (840)	23 (24)	3800 (3700)
150	151	8 × 10 (8 × 12) (10 × 8)	0.12 (0.12) (0.12)	750 (750) (750)	23 (28) (26)	3600 (2200) (3000)	8 × 9 (10 × 12.7)	0.12 (0.12)	1050 (1050)	23 (28)	2400 (2600)
180	181	10 × 10	0.12	900	28	2300	10 × 12.7	0.12	1260	22	4100
220	221	8 × 12	0.12	1100	22	3800					
270	271	10 × 10 (10 × 12.7)	0.12 (0.12)	1350 (1350)	23 (27)	3700 (2700)					
390	391	10 × 12.7	0.12	1950	21	4200					
470	471	10 × 13	0.12	2350	9	6100					