

MV Series

□ DIMENSIONS 尺寸表 (Unit: mm)

∅D × L	6.3 × 6/6.5	6.3 × 8.7/9	8 × 7	8 × 9/10	8 × 12	10 × 8/10	10 × 12.7/13
A	7.3	7.3	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

□ DIMENSIONS & STANDARD RATINGS 規格尺寸及標準參數

WV (V)		16 (1C)					20 (1D)				
Cap. 容量 (μF)	Parameter 參數	Case size ∅D×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流	Case size ∅D×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流
		47	470						6.3 × 6	0.12	188
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)		25 (1E)					35 (1V)				
Cap. 容量 (μF)	Parameter 參數	Case size ∅D×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流	Case size ∅D×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流
		18	180						6.3 × 6	0.12	126
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					

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, please contact us immediately for technical assistance before purchase.

注：以上所提供的設計及特性參數僅供參考，任何修改不作預先通知。如果在使用上有疑問，請在採購前與我們聯繫，以便提供技術上的協助。

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MV Series

□ DIMENSIONS & STANDARD RATINGS 規格尺寸及標準參數

WV (V)		50 (1H)					63 (1J)				
Cap. 容量 (μF)	Parameter 參數	Case size ØD×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流	Case size ØD×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流
5.6	5R6						6.3 × 6	0.12	71	105	700
8.2	8R2	6.3 × 6	0.12	82	81	800	6.3 × 6	0.12	103	56	1200
10	100						8 × 7	0.12	126	75	1000
12	120	6.3 × 6	0.12	120	55	1200	8 × 7	0.12	151	70	1100
15	150	8 × 7	0.12	150	63	1100					
22	220	8 × 7	0.12	220	60	1300	8 × 10 (10 × 8)	0.12 (0.12)	277 (277)	37 (56)	1700 (1400)
27	270						8 × 10 (8 × 12) (10 × 8)	0.12 (0.12) (0.12)	340 (340) (340)	30 (35) (38)	3200 (2000) (2500)
33	330	8 × 10 (10 × 8)	0.12 (0.12)	330 (330)	36 (49)	1700 (1500)	10 × 10	0.12	416	31	2200
39	390	8 × 12	0.12	390	34	2000	8 × 12	0.12	491	29	3400
47	470	8 × 10 (10 × 8)	0.12 (0.12)	470 (470)	29 (37)	3300 (2600)	10 × 10 (10 × 12.7)	0.12 (0.12)	592 (592)	30 (30)	3300 (2500)
56	560	8 × 12	0.12	560	28	3400	10 × 12.7	0.12	706	28	3400
68	680	10 × 10 (10 × 12.7)	0.12 (0.12)	680 (680)	29 (29)	3400 (2600)					
100	101	10 × 12.7	0.12	1000	27	3600					

WV (V)		80 (1K)					100 (2A)				
Cap. 容量 (μF)	Parameter 參數	Case size ØD×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流	Case size ØD×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流
6.8	6R8						8 × 10	0.12	136	48	1500
10	100	8 × 10	0.12	160	43	1600	8 × 12	0.12	200	45	1700
12	120	8 × 12	0.12	192	41	1800	10 × 10	0.12	240	42	1900
15	150	10 × 10	0.12	240	39	1900					
18	180						10 × 12.7	0.12	360	41	2100
22	220	10 × 12.7	0.12	352	38	2200					

WV (V)		125 (2B)				
Cap. 容量 (μF)	Parameter 參數	Case size ØD×L (mm) 尺寸	Dissipation factor (tan δ) 損耗角正切	Leakage current (μA) 漏電流	ESR (mΩ) max. 20°C, 100KHz 阻抗值	Ripple current (mA rms) 105°C, 100KHz 紋波電流
6.8	6R8	8 × 10	0.12	170	93	1100
8.2	8R2	8 × 12	0.12	205	84	1300
12	120	10 × 10	0.12	300	69	1400
15	150	10 × 12.7	0.12	375	48	2000

- Taping specifications are given in page 17. 編帶標準請查閱第 17 頁。
- Soldering conditions and recommended land size are given in page 22. 焊接條件及推薦安裝尺寸請查閱第 22 頁。
- Please refer to page 18 for the minimum package quantity. 最小包裝數量請查閱第 18 頁。
- Please refer to page 14 for the Part Number System. 產品編碼規則請查閱第 14 頁。

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