

MVX Series

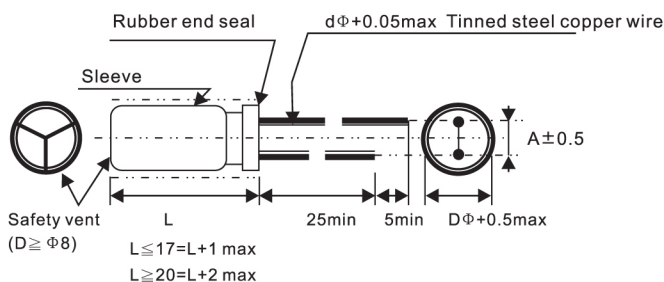
- 105°C, 4000~7000 hours, suitable for switching power, UPS, Ballast (紋波疊加)
- 採用了新型高穩定、高導電率電解液、高信賴技術



• SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +105°C							
Rated Voltage Range	160V to 450Vdc							
Capacitance Tolerance	± 20% (M) (at 20°C ,120Hz)							
Leakage Current	I=0.01CV + 10 μA, whichever is greater. Where, I :Max. Leakage current (μA). C : Nominal capacitance (μF) .V :Rated voltage(V) (at 20°C , after 2 minutes)							
Dissipation Factor (tan δ)	Rated voltage (Vdc)	160V	200V	250V	350V	400V	450V	
	tan δ (Max.)	0.20	0.20	0.20	0.24	0.24	0.24	
Low Temperature Characteristics	Impedance ration max at 120Hz							
	Working voltage	160v	200v	250v	350v	400v	450v	
	Z-25°C/ Z+20°C	4	4	4	4	5	6	
Load. Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after the voltage is applied for the specified at 105°C							
	Capacitance change	≤ ±25% of the initial value					φ D	load life
	DF (tan δ)	≤ 200 % of the initial specified value					8 φ	4000
	Leakage current	≤ The initial specified value					10 φ	5000
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1000 hours at 105°C without voltage applied.							
	Capacitance change	≤ ±20% of the initial value					13 φ~	7000
	DF (tan δ)	≤ 200 % of the initial specified value						
Ripple Current Multiplier	Temperature coefficient							
	Temperature(°C)	~55	60	70	85	105		
	Factor	2.23	2.17	2.0	1.75	1		
	Frequency coefficient							
	cap \ freq	120	1k	10k	100k			
	~100	0.40	0.75	0.90	1.00			
100up	0.50	0.85	0.94	1.00				

• Diagram: (Unit: mm)



Body Dia ΦD	8	10	13		16	18
			L ≤ 21	L ≥ 25		
Lead Dia Φd	0.5	0.6	0.6	0.8	0.8	0.8
Lead Space A	3.2		5		7.5	7.5/10

◆ MVX series 105°C 中高壓長壽命品

● STANDARD RATING

Vdc μF	160v			200v			250v			350v		
	D*L	120Hz	100KHz	D*L	120Hz	100KHz	D*L	120Hz	100KHz	D*L	120Hz	100KHz
3.3										10*16	56	141
4.7										10*16	68	169
6.8										10*16	71	178
10	10*16	125	250	10*16	81	202	10*16	71	178	10*20	83	206
22	10*20	250	500	10*20	136	340	13*21	206	514	13*25	221	551
33	10*20	250	500	13*21	262	655	13*21	221	551	16*25	290	721
47	13*21	330	660	13*25	340	850	16*25	326	814	16*32	368	910
68	13*25	380	760	16*25	440	1100	16*25	389	971	18*30	410	1020
100	16*25	560	1120	16*25	542	1220	16*32	520	1181	18*36	550	1300
120	16*25	610	1220	16*32	614	1380	18*30	590	1347	18*40	606	1415
150	16*32	680	1350	16*32	721	1622	18*36	710	1596			
180	16*32	690	1380	18*30	833	1874	18*40	804	1800			
220	16*32	700	1400	18*36	983	2211	18*45	940	2100			
330	18*30	735	1480	18*45	1250	2811						

Vdc μF	400v			450v		
	D*L	120Hz	100KHz	D*L	120Hz	100KHz
2.2	8*12 10*16	36 53	89 131			
3.3	10*16	56	141	10*16	57	143
4.7	10*13 10*16	63 68	157 169	10*16	68	169
6.8	10*16	94	234	10*20	83	206
10	10*17 10*20	100 110	247 272	13*21	147	368
22	13*20 13*25	185 220	464 551	16*25	273	683
33	16*25	290	724	16*32	326	814
47	16*32 18*18	368 320	910 800	18*30	416	1039
68	18*30	410	1023	18*36 18*40	500 536	1250 1340
100	18*40	578	1290			
120	18*45	630	1410			

Ripple Current :mA/rms at 105°C

Chip Type SMD

Miniature Type

General Purpose

High Frequency
Low Impedance

High Voltage
High Reliability

Non-polar Type

Large Size
Snap-In

Large Size
Screw

X Metallized
Polypropylene
Film Capacitors