

# MTX Series

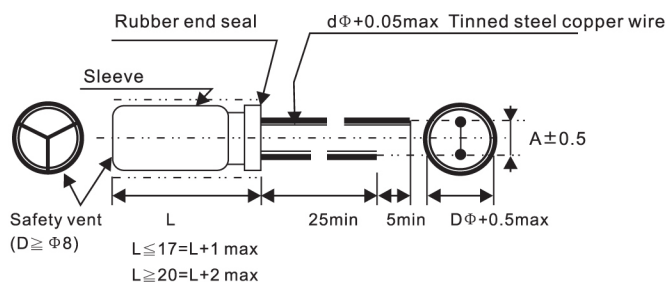
- 105°C, 2000~3000 hours standard series (紋波疊加)
- 採用了新型高穩定、高導電率電解液、高信賴技術



## • 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.)	0.15	0.15	0.15	0.20	0.20	0.24	
Low Temperature Characteristics	Impedance ration max at 120Hz							
	Working voltage	160v	200v	250v	350v	400v	450v	
	Z-25°C/ Z+20°C	3	3	3	3	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	≤ ±20% of the initial value					φD	load life
	DF (tan δ)	≤ 200 % of the initial specified value					6.3~10 φ	2000
	Leakage current	≤ The initial specified value					13 φ ~	3000
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						
	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	22
			L≤21	L≥25			
Lead Dia φd	0.5	0.6	0.6	0.8	0.8	0.8	0.8
Lead Space A	3.2	5		7.5	7.5/10	10	

◆ MTX series 105°C 中高壓2000 ~ 3000H

● STANDARD RATING

CAP(μF)	Vdc	160v			200v			250v			350v		
		D*L	120Hz	100KHz	D*L	120Hz	100KHz	D*L	120Hz	100KHz	D*L	120Hz	100KHz
1										8*12	24	61	
1.5										8*12	31	76	
2.2							8*12	37	92	8*12	43	107	
3.3		8*12	38	95	8*12	41	101	8*12	35	113	8*12	59	147
4.7		8*12	45	113	8*12	57	143	8*12	84	209	8*12	77	194
10		8*12	87	217	10*12	94	235	10*17	114	285	10*17	113	281
22		10*16	122	304	10*20	153	383	13*21	230	574	13*21	189	473
33		10*20	171	428	13*20	216	540	13*25	313	780	13*25	255	637
47		13*20	266	664	13*20	225	563	13*25	315	788	16*25	329	821
68		13*25	319	798	13*25	341	853	16*25	450	1070	16*32	380	900
100		13*32	383	861	16*25	437	982	16*32	477	1073	18*36	404	908
150		16*25	535	1203	16*32	590	1328	18*32	624	1404			
220		16*32	594	1337	18*36	752	1691	18*40	761	1712			
330		18*36	738	1661									

CAP(μF)	Vdc	400v			450v		
		D*L	120Hz	100KHz	D*L	120Hz	100KHz
2.2		8*12	48	120	8*12	48	120
3.3		8*12	65	161	10*13	65	161
4.7		8*14	77	194	10*17	88	219
6.8		8*16	85	225	10*17	98	265
10		10*17	113	281	10*20	144	360
22		13*20	212	529	13*21 13*25	224 239	560 596
33		13*25	255	637	16*25	324	810
47		16*25	351	878	18*25	417	1042
68		16*32	400	960	18*32 18*36	495 520	1150 1300
100		18*32	429	965	18*40	650	1300
120					18*40	700	1400
180					22*40	760	1520

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 Filme Capacitors