

# MEX Series

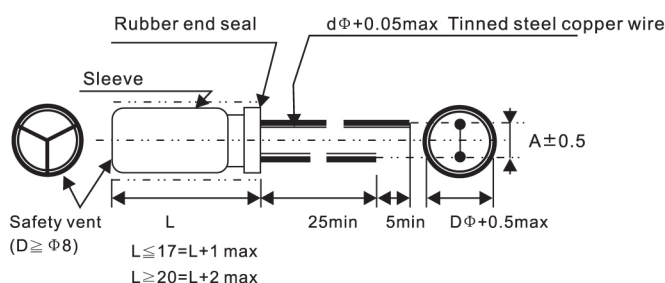
• 85°C, 2000~3000 hours standard series (紋波疊加)



## • SPECIFICATIONS

Items	Characteristics							
Category Temperature Range	-40 to +85°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	0.20	
Low Temperature Characteristics	Impedance ration max at 120Hz							
	Working voltage	160v	200v	250v	350v	400v	450v	
	Z-25°C/ Z+20°C	4	4	7	7	7	15	
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 85°C							
	Capacitance change	≤ ±20% of the initial value					φ D	load life
	DF (tan δ)	≤ 200 % of the initial specified value					~8 φ	2000
	Leakage current	≤ The initial specified value					10 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 85°C without voltage applied.							
	Capacitance change	≤ ±20% of the initial value						
	DF (tan δ)	≤ 200 % of the initial specified value						
	Leakage current	≤ The initial specified value						
Ripple Current Multiplier	Temperature coefficient							
	Temperature(°C)	~55	60	70	85			
	Factor	1.65	1.5	1.3	1			
	Frequency coefficient							
	cap \ freq	60	120	1k	10k	100k		
	~100	0.70	1.00	1.40	1.50	1.50		
100up	0.75	1.00	1.30	1.35	1.35			

## • Diagram: (Unit: mm)



Body Dia φD	6	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	0.8
Lead Space A	2.5	3.5	5		7.5	7.5/10	10	

◆ MEX series 85°C 中高壓標準品

● STANDARD RATING

Vdc μF	160		200		250		350		400		450	
	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple	D*L	Ripple
0.47	6.3*11	15	6.3*11	16	6.3*11	14	6.3*11	18	6.3*11	15	6.3*11	18
1	6.3*11	24	6.3*11	25	6.3*11	21	6.3*11	27	6.3*11	22	6.3*11	25
2.2	6.3*11	34	6.3*11	37	8*12	49	8*12	49	8*12	33	8*12	45
3.3	8*12	50	8*12	47	8*12	60	8*12	60	8*12	40	10*13	65
4.7	8*12	60	8*12	55	8*12	72	8*12	75	8*12	56	10*17	75
10	8*12	82	10*12	110	10*17	138	10*17	130	10*17	140	10*20	140
22	10*17	150	10*20	168	10*25	230	13*21	255	13*21	240	13*25	300
33	10*20	240	13*20	245	13*25	348	13*25	345	13*20 13*25	340 365	16*25	350
47	13*20	310	13*20	340	13*25	468	16*25	380	16*25	445	16*30	460
68	13*25	420	13*25	440	16*25	536	16*32	550	16*32	495	18*30	520
100	13*32	540	16*25	600	16*32	732	18*36	640	18*36	600	18*40	630
120	18*30	612	18*30 18*36	680	16*32	762	18*36	780	18*36	620	18*40	650
150	18*36	720	18*36	820	18*32	870	22*30	880	22*30	630		
180	18*36	828	18*30 18*36	952	18*36	980	22*40	985				
220	18*36	900	18*36	1010	18*40	1050						
260	18*36	960	18*36	1030								
330	18*36	1000	18*36	1080								
390			18*36	1112								
470			18*40	1200								

Maximum Ripple Current: Unit mA.rms,85°C 120Hz. Size: D φ x L (mm)

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 Fime Capacitors