MLB Series

• 85℃ 8,000Hrs assured.

- Non-solvent proof.
- Long Life.
- For LED TV Power, SMPS.
- RoHS compliant.
- Halogen-free capacitors are also available.

MHA → MLB

Long Life

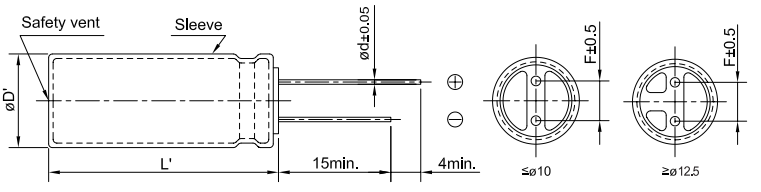


SPECIFICATIONS

Item	Characteristics	
Rated Voltage Range	400 VDC	420 ~ 500 VDC
Operating Temperature Range	-40 ~ + 85℃	-25 ~ + 85℃
Capacitance Tolerance	±20% (M)	(at 20℃, 120Hz)
Leakage Current	C·V \ Time: ≦ 1000 → I=0.1CV+40 (After 1 minute), I=0.03CV+15 (After 5 minutes); 〉1000 → I=0.04CV+100 (After 1 minute), I=0.02CV+25 (After 5 minutes). Where, I:Max. Leakage current(μA), C:Nominal capacitance(μF), V:Rated voltage(VDC)	(at 20℃)
Dissipation Factor(Tanδ)	Rated Voltage(VDC): 400 ~ 500; Tanδ(Max.): 0.24	(at 20℃, 120Hz)
Temperature Characteristics (Max. Impedance ratio)	Rated Voltage(VDC): 400 / 420~500; Z(-25℃)/Z(+20℃): 5 / 6; Z(-40℃)/Z(+20℃): 6 / -	(at 120Hz)
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after the rated voltage with the rated ripple current is applied (the peak voltage shall not exceed the rated voltage)for 8,000 hours at 85℃. Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ The initial specified value	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20℃ after exposing them for 1,000 hours at 85℃ without voltage applied. The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≤ ±20% of the initial value Tanδ ≤ 200% of the initial specified value Leakage current ≤ 500% of the initial specified value	
Others	Satisfied characteristics KS C IEC 60384-4	

DIMENSIONS OF MLB Series

Unit(mm)



Marking : BLACK SLEEVE, WHITE INK

ØD	10	12.5	16	18
Ød	0.6	0.6	0.8	0.8
F	5.0	5.0	7.5	7.5
ØD'	ØD+0.5 max.			
L'	L+2.0 max.			

※ Ø16 x 60L, L'≦ L+3.0

RATINGS OF MLB Series

Vdc	Cap.(μF)	Case size ø D×L(mm)	Rated Ripple Current (mArms/85℃)				
			120Hz	1KHz	10KHz	50KHz	100KHz
400	68	16 X 31.5	563	704	845	985	1,126
		18 X 25	544	680	816	952	1,088
	82	16 X 35.5	650	813	975	1,138	1,300
		18 X 31.5	650	813	975	1,138	1,300
	100	16 X 40	780	975	1,170	1,365	1,560
		18 X 31.5	700	875	1,050	1,225	1,400
	120	16 X 45	889	1,111	1,334	1,556	1,778
		18 X 35.5	830	1,038	1,245	1,453	1,660
	150	16 X 50	980	1,225	1,470	1,715	1,960
420	68	16 X 31.5	550	688	825	963	1,100
		18 X 25	533	666	800	933	1,066
	82	16 X 35.5	630	788	945	1,103	1,260
		18 X 31.5	630	788	945	1,103	1,260
	100	16 X 40	750	938	1,125	1,500	1,575
		18 X 35.5	720	900	1,080	1,440	1,512
	120	16 X 45	840	1,050	1,260	1,700	1,730
		18 X 40	840	1,050	1,260	1,700	1,730
	150	16 X 50	920	1,150	1,380	1,760	1,840
450	47	10 X 50	420	525	630	735	840
	56	12.5 X 40	470	588	705	823	940
	68	12.5 X 45	540	675	810	945	1,080
		16 X 31.5	550	688	825	1,476	1,476
		16 X 35.5	578	723	867	1,012	1,156
		18 X 31.5	560	700	840	980	1,120
	82	12.5 X 50	620	775	930	1,085	1,240
		16 X 35.5	630	788	945	1,103	1,260
		16 X 40	656	820	984	1,500	1,500
		18 X 31.5	630	788	945	1,103	1,260
	100	12.5 X 60	710	888	1,065	1,243	1,420
		16 X 40	720	900	1,080	1,940	1,940
		16 X 45	760	950	1,140	1,940	1,940
		18 X 35.5	720	900	1,080	1,440	1,512
	120	16 X 50	865	1,081	1,298	2,112	2,112
		18 X 40	840	1,050	1,260	1,700	1,730
	150	16 X 50	920	1,150	1,380	1,760	1,840
500	10	12.5 X 16	115	144	173	201	230
	22	16 X 25	230	288	345	403	460
	33	10 X 50	310	388	465	543	620
	47	12.5 X 40	380	475	570	665	760
		16 X 35.5	435	544	653	761	870
	56	12.5 X 45	460	575	690	805	920
		16 X 40	491	614	737	859	982
	68	12.5 X 50	510	638	765	893	1,020
		16 X 40	523	654	785	1,460	1,460
		16 X 45	563	704	845	985	1,126
	82	12.5 X 60	600	750	900	1,050	1,200
		16 X 40	580	725	870	1,480	1,480
		16 X 45	610	763	915	1,500	1,500
		16 X 50	630	788	945	1,103	1,260
	100	16 X 50	700	875	1,050	1,848	1,848
		18 X 45	700	875	1,050	1,410	1,500
	120	16 X 60	830	1,038	1,245	2,070	2,070
		18 X 50	830	1,038	1,245	1,700	1,730

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TDC450VS470M35*35_VS MVK16VC47M5*5_5.0TP NFA200VB22M10*20_5.0TP
NXA50VB220M10*12.5_LO MVK25VC100M6.3*8_6.3TP NFC450VB120M18*31.5_LO