RADIAL LEAD ALUMINUM ELECTROLYTIC CAPACITORS

PX



105°C Standard

•Load Life : 105°C 1000~2000 hours.





SPECIFICATIONS

Items	Characteristics											
Category Temperature Range	-55~+105°C	-40~	+105℃		-25~+105°C							
Rated Voltage Range	6.3~100Vdc	160~	400Vdc		450Vdc							
Capacitance Tolerance	±20%(20°C, 120Hz)											
	6.3~100Vdd	;	160~450Vdc									
			CV≦100	0	CV>1000							
Leakage Current(MAX)	I=0.01CV or 3μ A whicheven (After 2 minutes application of	_	I=0.1CV+40μA (1 I=0.03CV+15μA (,	I=0.04CV+100μA (1minutes) I=0.02CV+25μA (5minutes)							
	I=Leakage Current(μA)	C=Capa	itance(µF) V=Rated Voltage(VdC)									
Dissipation Factor(MAX) $(tan \delta)$	Rated Voltage (Vdc) 6.3 10 16 25 35 50 63 100 160 200 250 350 400 450 (20°C, 120Hz) tanδ 0.28 0.24 0.20 0.16 0.14 0.12 0.10 0.08 0.20 0.20 0.25 0.25 0.25 When capacitance is over 1000μF, tanδ shall be added 0.02 to the listed value with increase of every 1000μF.											
	After applying rated voltage with rathe capacitors shall meet the follo		r specified time at 1	05℃,								
Endurance	Capacitance Change W	ithin ±25% of the in	nitial value.		Case Size	Life Time (hrs)						
Idd. id. ids	Dissipation Factor N	ot more than 200% of	of the specified value	э.	φD ≦ 8	1000						
	Leakage Current N	ot more than the spe	ified value.									
Low Temperature Stability	Rated Voltage (Vdc) 6.3 10 1	6 25 35 50	63 100 160 200	250 350	400 450	(120Hz)						
Impedance Ratio(MAX)	(, (, -		2 2 3 3 3 3 4 4	4 6 8 8	6 7 10 -							

◆DIMENSIONS

SLEEVE(PET)

 $L+\alpha$ MAX

 ϕD

φd

F

α

5

♦MULTIPLIER FOR RIPPLE CURRENT

	Frequ	uency(Hz)	60 (50)	120	500	1k	10k≦
	Coefficient	0.47~1μF	0.50	1.00	1.20	1.30	1.50
		2.2~4.7μF	0.65	1.00	1.20	1.30	1.50
		10~47μF	0.80	1.00	1.20	1.30	1.50
		100~1000μF	0.80	1.00	1.10	1.15	1.20
	2200~33000µF	0.80	1.00	1.05	1.10	1.15	

◆OPTION

	Code
PET Sleeve	EFC

♦PART NUMBER







15MIN

3.5

Vdc≦100 : α=1.5 Vdc≧160 : α=2.0

6.3

0.5

2.0 | 2.5



4MIN

10

0.6

5.0

(mm)

±0.5

φD+0.5MAX

8.0

7.5

2.0

16

18

 \oplus

12.5



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♦STANDARD SIZE

Size φD×L(mm), Rated Ripple Current (mA r.m.s./105°C, 120Hz)

Vdc	6.3		10		16		25		35		50		63	
Cap(µF)	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
1											5×11	10		
2.2											5×11	20		
3.3		! !				! ! !		! !		! !	5×11	25		
4.7						1		1		1	5×11	32		
10											5×11	47	5×11	48
22									5×11	64	5×11	70	5×11	80
33		 		! !		! !	5×11	69	5×11	77	5×11	94	6.3×11	100
47		! !			5×11	80	5×11	84	5×11	100	6.3×11	115	6.3×11	140
100	5×11	96	5×11	105	5×11	130	5×11	135	6.3×11	170	8×11.5	200	8×11.5	230
220	5×11	160	5×11	165	6.3×11	220	6.3×11	240	8×11.5	300	10×12.5	360	10×16	390
330	6.3×11	210	6.3×11	235	6.3×11	270	8×11.5	335	10×12.5	400	10×16	470	10×20	540
470	6.3×11	275	6.3×11	295	8×11.5	375	8×11.5	440	10×12.5	525	10×20	600	12.5×20	700
680	6.3×11	285	8×11.5	430	8×11.5	480	10×12.5	630	10×16	760	12.5×20	980	12.5×25	800
1000	8×11.5	460	8×11.5	500	10×12.5	640	10×16	740	10×20	865	12.5×25	1060	16×25	1200
2200	10×16	775	10×16	860	10×20	1050	12.5×20	1090	16×25	1370	16×31.5	1600	18×31.5	1400
3300	10×20	985	10×20	1100	12.5×20	1300	16×25	1500	16×25	1680	18×35.5	1780		
4700	12.5×20	1150	12.5×20	1350	12.5×25	1650	16×25	1800	16×35.5	1870				
6800	12.5×25	1480	16×25	1700	16×25	1900	16×35.5	1910	18×35.5	1920				
10000	16×25	1700	16×25	1950	16×31.5	1950	18×35.5	2050						
15000	16×31.5	2090	16×35.5	2090	18×35.5	2070								
22000	18×31.5	2280	18×35.5	2180		!				! ! !				
33000	18×40	2350												

Vdc	100		160		200		250		350		400		450	
Cap(μF)	Size	Ripple												
0.47							6.3×11	8	6.3×11	8				
1	5×11	15					6.3×11	16	6.3×11	16	6.3×11	16	6.3×11	15
2.2	5×11	21					6.3×11	30	6.3×11	25	8×11.5	31	8×11.5	20
3.3	5×11	30			6.3×11	36	6.3×11	30	8×11.5	30	8×11.5	34	10×12.5	33
4.7	5×11	35	6.3×11	43	6.3×11	40	8×11.5	45	8×11.5	45	10×12.5	42	10×12.5	35
10	5×11	60	8×11.5	77	8×11.5	57	10×12.5	90	10×16	95	10×16	64	10×20	37
22	6.3×11	98	10×12.5	92	10×16	105	10×16	105	12.5×20	175	12.5×20	140	12.5×25	100
33	8×11.5	140	10×16	125	10×20	140	10×20	140	12.5×25	220	16×25	170	16×25	125
47	8×11.5	185	10×20	150	10×20	195	12.5×20	190	16×25	260	16×25	200	16×31.5	155
100	10×16	290	12.5×25	320	16×25	340	16×25	310	18×31.5	370	18×35.5	310	18×40	200
220	12.5×20	560	16×31.5	410	16×35.5	580	18×35.5	485						
330	12.5×25	690	18×31.5	570	18×40	675								
470	16×25	880	18×40	855				 		!		1		1
680	16×31.5	900												
1000	18×35.5	985								-				

Mouser Electronics

Authorized Distributor

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Rubycon:

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100PX1000MEFC18X35.5 100PX100MEFC10X16 100PX10MEFC5X11 100PX1MEFC5X11
100PX220MEFC12.5X20 100PX22MEFC6.3X11 63PX470MEFC12.5X20 63PX47MEFC6.3X11
63PX680MEFC12.5X25 63PX10MEFC5X11 63PX2200MEFC18X31.5 63PX220MEFC10X16 63PX22MEFC5X11
63PX330MEFC10X20 63PX33MEFC6.3X11 6.3PX4700MEFC12.5X20 6.3PX470MEFC6.3X11
6.3PX6800MEFC12.5X25 6.3PX680MEFC6.3X11 63PX1000MEFC16X25 63PX100MEFC8X11.5
6.3PX15000MEFC16X31.5 6.3PX22000MEFC18X31.5 6.3PX2200MEFC10X16 6.3PX220MEFC5X11
6.3PX33000MEFC18X40 6.3PX3300MEFC10X20 50PX680MEFC12.5X20 6.3PX10000MEFC16X25
6.3PX1000MEFC8X11.5 6.3PX100MEFC5X11 50PX330MEFC10X16 50PX33MEFC5X11 50PX3R3MEFC5X11
50PX470MEFC10X20 50PX47MEFC6.3X11 50PX4R7MEFC5X11 50PX1MEFC5X11 50PX2200MEFC16X31.5
50PX220MEFC10X12.5 50PX22MEFC5X11 50PX2R2MEFC5X11 50PX3300MEFC18X35.5
450PX3R3MEFC10X12.5 450PX47MEFC16X31.5 450PX4R7MEFC10X12.5 50PX1000MEFC12.5X25
50PX100MEFC8X11.5 50PX10MEFC5X11 450PX100MEFC18X40 450PX10MEFC10X20 450PX1MEFC6.3X11
450PX22MEFC12.5X25 450PX2R2MEFC8X11.5 450PX33MEFC16X25 400PX22MEFC12.5X20
400PX2R2MEFC8X11.5 400PX33MEFC16X25 400PX3R3MEFC8X11.5 400PX47MEFC16X25
400PX4R7MEFC10X12.5 35PX680MEFC10X16 400PX100MEFC18X35.5 400PX10MEFC10X16
400PX1MEFC6.3X11 35PX330MEFC10X12.5 35PX33MEFC5X11 35PX4700MEFC16X35.5 35PX470MEFC10X12.5
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35PX2200MEFC16X25 35PX220MEFC8X11.5 35PX22MEFC5X11 35PX3300MEFC16X25 350PX1MEFC6.3X11
350PX22MEFC12.5X20 350PX2R2MEFC6.3X11 350PX33MEFC12.5X25 350PX3R3MEFC8X11.5
350PX4R7MEFC8X11.5 25PX6800MEFC16X35.5 25PX680MEFC10X12.5 350PX100MEFC18X31.5
350PX10MEFC10X16 25PX3300MEFC16X25 25PX330MEFC8X11.5 25PX33MEFC5X11 25PX4700MEFC16X25
25PX470MEFC8X11.5 25PX47MEFC5X11 250PX4R7MEFC8X11.5 25PX10000MEFC18X35.5
25PX1000MEFC10X16 25PX100MEFC5X11 25PX2200MEFC12.5X20 25PX220MEFC6.3X11
250PX220MEFC18X35.5
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