

PX SERIES
105°C Standard

*Load Life : 105°C 1000~2000 hours.


◆ SPECIFICATIONS

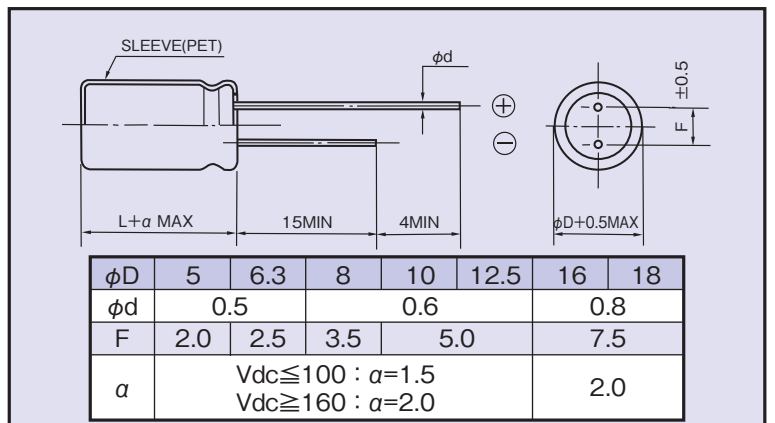
Items	Characteristics																																																									
	-55~+105°C	-40~+105°C	-25~+105°C																																																							
Category Temperature Range	-55~+105°C	-40~+105°C	-25~+105°C																																																							
Rated Voltage Range	6.3~100Vdc	160~400Vdc	450Vdc																																																							
Capacitance Tolerance	±20%(20°C, 120Hz)																																																									
Leakage Current(MAX)	6.3~100Vdc		160~450Vdc																																																							
	I=0.01CV or 3µA whichever is greater. (After 2 minutes application of rated voltage)		CV≤1000																																																							
			CV>1000																																																							
		I=0.1CV+40µA (1minute)	I=0.04CV+100µA (1minute)																																																							
		I=0.03CV+15µA (5minutes)	I=0.02CV+25µA (5minutes)																																																							
		I=Leakage Current(µA)	C=Capacitance(µF) V=Rated Voltage(Vdc)																																																							
Dissipation Factor(MAX) (tanδ)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th><th>10</th><th>16</th><th>25</th><th>35</th><th>50</th><th>63</th><th>100</th><th>160</th><th>200</th><th>250</th><th>350</th><th>400</th><th>450</th> </tr> </thead> <tbody> <tr> <td>(20°C, 120Hz)</td> <td>0.28</td><td>0.24</td><td>0.20</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td><td>0.20</td><td>0.20</td><td>0.20</td><td>0.25</td><td>0.25</td><td>0.25</td> </tr> </tbody> </table>													Rated Voltage (Vdc)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	(20°C, 120Hz)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.08	0.20	0.20	0.20	0.25	0.25	0.25															
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When capacitance is over 1000µF, tanδ shall be added 0.02 to the listed value with increase of every 1000µF.																																																										
Endurance	After applying rated voltage with rated ripple current for specified time at 105°C, the capacitors shall meet the following requirements.																																																									
	Capacitance Change						Within ±25% of the initial value.						Case Size		Life Time (hrs)																																											
	Dissipation Factor						Not more than 200% of the specified value.						φD≤8		1000																																											
Leakage Current						Not more than the specified value.						φD≥10		2000																																												
Low Temperature Stability Impedance Ratio(MAX)	<table border="1"> <thead> <tr> <th>Rated Voltage (Vdc)</th> <th>6.3</th><th>10</th><th>16</th><th>25</th><th>35</th><th>50</th><th>63</th><th>100</th><th>160</th><th>200</th><th>250</th><th>350</th><th>400</th><th>450</th> </tr> </thead> <tbody> <tr> <td>Z(-25°C)/Z(20°C)</td> <td>5</td><td>4</td><td>3</td><td>2</td><td>2</td><td>2</td><td>2</td><td>2</td><td>3</td><td>3</td><td>4</td><td>6</td><td>6</td><td>7</td> </tr> <tr> <td>Z(-40°C)/Z(20°C)</td> <td>10</td><td>8</td><td>6</td><td>4</td><td>3</td><td>3</td><td>3</td><td>3</td><td>4</td><td>4</td><td>8</td><td>8</td><td>10</td><td>-</td> </tr> </tbody> </table>													Rated Voltage (Vdc)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	Z(-25°C)/Z(20°C)	5	4	3	2	2	2	2	2	3	3	4	6	6	7	Z(-40°C)/Z(20°C)	10	8	6	4	3	3	3	3	4	4	8	8	10	-
	Rated Voltage (Vdc)	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450																																											
	Z(-25°C)/Z(20°C)	5	4	3	2	2	2	2	2	3	3	4	6	6	7																																											
Z(-40°C)/Z(20°C)	10	8	6	4	3	3	3	3	4	4	8	8	10	-																																												
(120Hz)																																																										

◆ MULTIPLIER FOR RIPPLE CURRENT

Frequency (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

◆ DIMENSIONS

(mm)


◆ OPTION

	Code
PET Sleeve	EFC

◆ PART NUMBER

□□□	PX	□□□□□	M	□□□	□□	D×L
Rated Voltage	Series	Capacitance	Capacitance Tolerance	Option	Lead Forming	Case Size

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[LKMD1401H181MF](#) [LKMI2502G820MF](#) [LKMJ2001J122MF](#) [LKML2501C472MF](#) [LKMJ4002C681MF](#) [450MXH330MEFCSN25X45](#)
[450MXK330MA2RFC22X50](#) [63ZLH560MEFCG412.5X30](#) [ELH2DM331O25KT](#) [ELH2DM471P30KT](#)