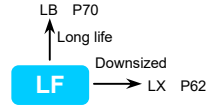


# LF 系列 SERIES



- 85°C 标准品  
85°C Standard
- 保证 85°C、2000 小时寿命。(叠加纹波电流)  
Endurance with ripple current: 2000 hours at 85°C
- 额定工作电压范围: 16V~700V  
Rated voltage range: 16V-700V



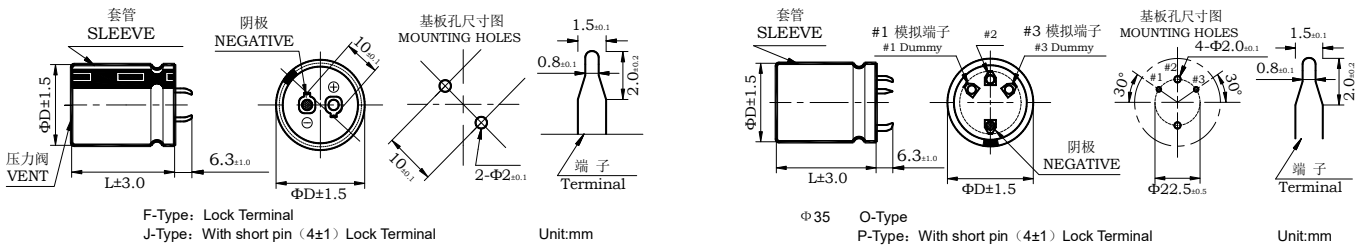
## 规格表 SPECIFICATIONS

项目 Items	特性 Characteristics																															
工作温度范围 Operating Temperature Range	-40~+85°C	-25~+85°C																														
额定工作电压范围 Rated Working Voltage Range	16~100V	160~700V																														
静电容量允许偏差 Capacitance Tolerance	±20% (20°C, 120Hz)																															
损耗角正切值 Dissipation Factor (MAX) 20°C, 120Hz	<table border="1"> <tr> <td>U<sub>R</sub>(V)</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> <td>63</td> <td>80</td> <td>100</td> <td>160~315</td> <td>350~400</td> <td>450~700</td> </tr> <tr> <td>tanδ</td> <td>0.50</td> <td>0.45</td> <td>0.40</td> <td>0.35</td> <td>0.30</td> <td>0.25</td> <td>0.20</td> <td>0.15</td> <td>0.18</td> <td>0.20</td> </tr> </table>										U <sub>R</sub> (V)	16	25	35	50	63	80	100	160~315	350~400	450~700	tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.18	0.20
U <sub>R</sub> (V)	16	25	35	50	63	80	100	160~315	350~400	450~700																						
tanδ	0.50	0.45	0.40	0.35	0.30	0.25	0.20	0.15	0.18	0.20																						
阻抗比 Impedance Ratio (MAX) 120Hz	<table border="1"> <tr> <td>U<sub>R</sub>(V)</td> <td>16~100</td> <td>160~200</td> <td>250</td> <td>315</td> <td>350~400</td> <td>450~700</td> </tr> <tr> <td>Z<sub>25°C</sub>/Z<sub>+20°C</sub></td> <td>4</td> <td>3</td> <td>4</td> <td>7</td> <td>7</td> <td>8</td> </tr> <tr> <td>Z<sub>40°C</sub>/Z<sub>+20°C</sub></td> <td>18</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										U <sub>R</sub> (V)	16~100	160~200	250	315	350~400	450~700	Z <sub>25°C</sub> /Z <sub>+20°C</sub>	4	3	4	7	7	8	Z <sub>40°C</sub> /Z <sub>+20°C</sub>	18						
U <sub>R</sub> (V)	16~100	160~200	250	315	350~400	450~700																										
Z <sub>25°C</sub> /Z <sub>+20°C</sub>	4	3	4	7	7	8																										
Z <sub>40°C</sub> /Z <sub>+20°C</sub>	18																															
漏电流 Leakage Current (MAX)	I=0.01C <sub>R</sub> U <sub>R</sub> 或 1.5mA 取小者 (20°C, 施加额定电压 5 分钟后) I=0.01C <sub>R</sub> U <sub>R</sub> or 1.5mA whichever is minimum. (at 20°C, After 5 minutes application of rated voltage) I=漏电流 (µA)      U <sub>R</sub> =额定电压 (V)      C <sub>R</sub> =静电容量 (µF) Leakage Current      Rated Voltage      Rated Capacitance																															

	使用寿命 Useful Life	负荷寿命 Load Life	耐久性特性 Endurance Test	高温无负荷特性 Shelf Life
产品寿命 Life Time	4000h	>65000h	2000h	1000h
漏电流 Leakage Current	≤规定值 ≤Specified value	≤规定值 ≤Specified value	≤规定值 ≤Specified value	≤规定值 ≤Specified value
损耗角正切值变化率 Tgδ Change	≤规定值的 300% ≤300% of specified value	≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value	≤规定值的 200% ≤200% of specified value
静电容量变化率 Capacitance Change	初始值±30%以内 Within±30% of initial value	初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value	初始值±20%以内 Within±20% of initial value
施加条件 Condition 施加电压 Applied Voltage 施加纹波电流 Applied Ripple Current 环境温度 Applied Temperature 失效等级 Failure Rate Level	U <sub>R</sub> I <sub>R</sub> 85°C ≤1% Failure rate	U <sub>R</sub> 1.2×I <sub>R</sub> 40°C ≤1% Failure rate	U <sub>R</sub> I <sub>R</sub> 85°C 0%	U <sub>R</sub> =0 I <sub>R</sub> =0 85°C 0% Back up to 20 °C and placed more than 24 hours. U <sub>R</sub> to be applied for 60 min before measurement.

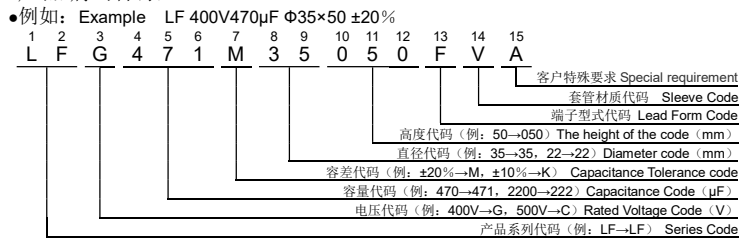
## 尺寸图 Dimensions

- 常用端子型式代码: Terminal Code



- 记载以外的端子形状, 请另行咨询。Please consult to us for the terminal type not displayed in content.

## 产品编码体系 PART NUMBER SYSTEM



## 纹波电流修正系数 Rated Ripple Current Multiplies

● 频率修正系数 Frequency coefficient

电压范围 (v) Rated voltage	频率 (Hz) Frequency				
	50 (60)	100 (120)	300	1k	≥10k
16~50VV	0.90	1.00	1.05	1.10	1.15
63~100VV	0.85	1.00	1.17	1.32	1.45
160~700VV	0.80	1.00	1.16	1.30	1.41

● 温度修正系数 Temperature coefficient

电压范围 (v) Rated voltage	温度 (°C) Temperature			
	+40	+55	+70	+85
16~100VV	2.1	1.8	1.5	1.0
160~700VV	1.7	1.5	1.3	1.0

## ◆ 产品一览表 Standard Ratings

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number
16 (20)	8200	22×25	0.50	2.20	LFV822M22025□VA
	10000	22×30	0.50	2.60	LFV103M22030□VA
	10000	25×25	0.50	2.60	LFV103M25025□VA
	12000	22×35	0.50	2.90	LFV123M22035□VA
	15000	22×40	0.50	3.30	LFV153M22040□VA
	15000	25×30	0.50	3.30	LFV153M25030□VA
	15000	30×25	0.50	3.40	LFV153M30025□VA
	18000	22×45	0.50	3.80	LFV183M22045□VA
	18000	25×35	0.50	3.70	LFV183M25035□VA
	18000	30×30	0.50	4.00	LFV183M30030□VA
	22000	22×50	0.50	4.20	LFV223M22050□VA
	22000	25×40	0.50	4.20	LFV223M25040□VA
	22000	30×30	0.50	4.20	LFV223M30030□VA
	22000	35×25	0.50	4.40	LFV223M35025□VA
	27000	25×45	0.50	5.00	LFV273M25045□VA
	27000	30×35	0.50	5.00	LFV273M30035□VA
	27000	35×30	0.50	5.20	LFV273M35030□VA
	33000	30×40	0.50	5.60	LFV333M30040□VA
	33000	35×30	0.50	5.60	LFV333M35030□VA
	39000	30×45	0.50	6.20	LFV393M30045□VA
39000	35×35	0.50	6.30	LFV393M35035□VA	
47000	30×50	0.50	7.00	LFV473M30050□VA	
47000	35×40	0.50	7.20	LFV473M35040□VA	
56000	30×60	0.50	8.20	LFV563M30060□VA	
56000	35×45	0.50	8.00	LFV563M35045□VA	
68000	35×60	0.50	9.60	LFV683M35060□VA	
25 (32)	5600	22×25	0.45	2.00	LFU562M22025□VA
	6800	22×30	0.45	2.30	LFU682M22030□VA
	6800	25×25	0.45	2.30	LFU682M25025□VA
	8200	22×35	0.45	2.60	LFU822M22035□VA
	8200	25×30	0.45	2.60	LFU822M25030□VA
	8200	30×25	0.45	2.60	LFU822M30025□VA
	10000	22×40	0.45	2.90	LFU103M22040□VA
	10000	25×30	0.45	2.80	LFU103M25030□VA
	10000	30×25	0.45	3.00	LFU103M30025□VA
	12000	22×45	0.45	3.30	LFU123M22045□VA
	12000	25×35	0.45	3.20	LFU123M25035□VA
	12000	30×30	0.45	3.40	LFU123M30030□VA
	12000	35×25	0.45	3.30	LFU123M35025□VA
	15000	22×50	0.45	3.70	LFU153M22050□VA
	15000	25×40	0.45	3.70	LFU153M25040□VA
	15000	30×35	0.45	3.70	LFU153M30035□VA
	15000	35×25	0.45	3.90	LFU153M35025□VA
	18000	25×50	0.45	4.30	LFU183M25050□VA
	18000	30×35	0.45	4.20	LFU183M30035□VA
	18000	35×30	0.45	4.40	LFU183M35030□VA
22000	30×40	0.45	4.80	LFU223M30040□VA	
22000	35×35	0.45	5.00	LFU223M35035□VA	
27000	30×50	0.45	5.70	LFU273M30050□VA	
27000	35×40	0.45	5.70	LFU273M35040□VA	
33000	30×60	0.45	6.40	LFU333M30060□VA	
33000	35×40	0.45	6.50	LFU333M35040□VA	
39000	35×45	0.45	7.50	LFU393M35045□VA	
47000	35×45	0.45	8.20	LFU473M35045□VA	
35 (44)	3300	22×25	0.40	1.80	LFT332M22025□VA
	3900	22×30	0.40	2.10	LFT392M22030□VA
	3900	25×25	0.40	2.10	LFT392M25025□VA
	4700	22×35	0.40	2.20	LFT472M22035□VA

WV <sub>dc</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number	
35 (44)	4700	25×25	0.40	2.20	LFT472M25025□VA	
	5600	22×35	0.40	2.30	LFT562M22035□VA	
	5600	25×30	0.40	2.30	LFT562M25030□VA	
	5600	30×25	0.40	2.30	LFT562M30025□VA	
	6800	22×40	0.40	2.90	LFT682M22040□VA	
	6800	25×35	0.40	2.60	LFT682M25035□VA	
	6800	30×25	0.40	2.70	LFT682M30025□VA	
	8200	22×50	0.40	2.80	LFT822M22050□VA	
	8200	25×40	0.40	2.80	LFT822M25040□VA	
	8200	30×30	0.40	2.80	LFT822M30030□VA	
	8200	35×25	0.40	2.90	LFT822M35025□VA	
	10000	22×50	0.40	3.10	LFT103M22050□VA	
	10000	25×45	0.40	3.10	LFT103M25045□VA	
	10000	30×35	0.40	3.20	LFT103M30035□VA	
	10000	35×25	0.40	3.10	LFT103M35025□VA	
	12000	25×50	0.40	3.50	LFT123M25050□VA	
	12000	30×40	0.40	3.50	LFT123M30040□VA	
	12000	35×30	0.40	3.60	LFT123M35030□VA	
	15000	25×50	0.40	4.10	LFT153M25050□VA	
	15000	30×45	0.40	4.10	LFT153M30045□VA	
	15000	35×35	0.40	4.10	LFT153M35035□VA	
	18000	30×50	0.40	4.60	LFT183M30050□VA	
	18000	35×40	0.40	4.70	LFT183M35040□VA	
	22000	35×45	0.40	5.30	LFT223M35045□VA	
	27000	35×50	0.40	7.00	LFT273M35050□VA	
	33000	35×60	0.40	8.30	LFT333M35060□VA	
	50 (63)	2200	22×25	0.35	1.70	LFR222M22025□VA
		2700	22×30	0.35	1.90	LFR272M22030□VA
		2700	25×25	0.35	1.90	LFR272M25025□VA
		3300	22×35	0.35	2.00	LFR332M22035□VA
3300		25×30	0.35	2.00	LFR332M25030□VA	
3300		30×25	0.35	2.00	LFR332M30025□VA	
3900		22×35	0.35	2.10	LFR392M22035□VA	
3900		25×30	0.35	2.10	LFR392M25030□VA	
3900		30×25	0.35	2.10	LFR392M30025□VA	
4700		22×40	0.35	2.40	LFR472M22040□VA	
4700		25×35	0.35	2.40	LFR472M25035□VA	
4700		30×30	0.35	2.40	LFR472M30030□VA	
4700		35×25	0.35	2.40	LFR472M35025□VA	
5600		22×50	0.35	2.50	LFR562M22050□VA	
5600		25×40	0.35	2.50	LFR562M25040□VA	
5600		30×30	0.35	2.50	LFR562M30030□VA	
5600		35×25	0.35	2.60	LFR562M35025□VA	
6800		25×45	0.35	2.80	LFR682M25045□VA	
6800		30×35	0.35	2.80	LFR682M30035□VA	
6800		35×30	0.35	2.80	LFR682M35030□VA	
8200	25×50	0.35	3.20	LFR822M25050□VA		
8200	30×40	0.35	3.20	LFR822M30040□VA		
8200	35×30	0.35	3.20	LFR822M35030□VA		
10000	30×45	0.35	3.40	LFR103M30045□VA		
10000	35×35	0.35	3.40	LFR103M35035□VA		
12000	30×50	0.35	3.80	LFR123M30050□VA		
12000	35×40	0.35	3.80	LFR123M35040□VA		
15000	30×60	0.35	4.50	LFR153M30060□VA		
15000	35×45	0.35	4.50	LFR153M35045□VA		
18000	35×50	0.35	4.50	LFR183M35050□VA		
22000	35×60	0.35	5.40	LFR223M35060□VA		

\*产品编码中□内为产品端子引出型式代码  
\*□Enter the appropriate terminal code

## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number
63 (79)	1500	22×25	0.30	1.60	LFQ152M22025□VA
	1800	22×30	0.30	1.80	LFQ182M22030□VA
	1800	25×25	0.30	1.80	LFQ182M25025□VA
	2200	22×30	0.30	2.00	LFQ222M22030□VA
	2200	25×25	0.30	2.00	LFQ222M25025□VA
	2700	22×35	0.30	2.20	LFQ272M22035□VA
	2700	25×30	0.30	2.30	LFQ272M25030□VA
	2700	30×25	0.30	2.30	LFQ272M30025□VA
	3300	22×40	0.30	2.30	LFQ332M22040□VA
	3300	25×35	0.30	2.30	LFQ332M25035□VA
	3300	30×25	0.30	2.30	LFQ332M30025□VA
	3900	22×45	0.30	2.50	LFQ392M22045□VA
	3900	25×40	0.30	2.60	LFQ392M25040□VA
	3900	30×30	0.30	2.60	LFQ392M30030□VA
	3900	35×25	0.30	2.60	LFQ392M35025□VA
	4700	22×50	0.30	2.70	LFQ472M22050□VA
	4700	25×40	0.30	2.70	LFQ472M25040□VA
	4700	30×30	0.30	2.70	LFQ472M30030□VA
	4700	35×25	0.30	2.70	LFQ472M35025□VA
	5600	25×45	0.30	3.10	LFQ562M25045□VA
	5600	30×35	0.30	3.20	LFQ562M30035□VA
	5600	35×30	0.30	3.30	LFQ562M35030□VA
	6800	30×40	0.30	3.60	LFQ682M30040□VA
	6800	35×35	0.30	3.70	LFQ682M35035□VA
	8200	30×50	0.30	3.70	LFQ822M30050□VA
8200	35×40	0.30	3.80	LFQ822M35040□VA	
10000	30×50	0.30	4.30	LFQ103M30050□VA	
10000	35×40	0.30	4.30	LFQ103M35040□VA	
12000	35×50	0.30	4.80	LFQ123M35050□VA	
15000	35×60	0.30	5.80	LFQ153M35060□VA	
80 (100)	1000	22×25	0.25	1.30	LFP102M22025□VA
	1200	22×30	0.25	1.50	LFP122M22030□VA
	1500	22×30	0.25	1.70	LFP152M22030□VA
	1500	25×25	0.25	1.70	LFP152M25025□VA
	1800	22×35	0.25	1.90	LFP182M22035□VA
	1800	25×30	0.25	1.90	LFP182M25030□VA
	1800	30×25	0.25	1.90	LFP182M30025□VA
	2200	22×40	0.25	2.10	LFP222M22040□VA
	2200	25×35	0.25	2.20	LFP222M25035□VA
	2200	30×25	0.25	2.20	LFP222M30025□VA
	2700	22×50	0.25	2.50	LFP272M22050□VA
	2700	25×40	0.25	2.50	LFP272M25040□VA
	2700	30×30	0.25	2.50	LFP272M30030□VA
	2700	35×25	0.25	2.50	LFP272M35025□VA
	3300	25×45	0.25	2.80	LFP332M25045□VA
	3300	30×35	0.25	2.80	LFP332M30035□VA
	3300	35×30	0.25	2.80	LFP332M35030□VA
	3900	25×50	0.25	3.10	LFP392M25050□VA
	3900	30×40	0.25	3.20	LFP392M30040□VA
	3900	35×30	0.25	3.20	LFP392M35030□VA
	4700	30×45	0.25	3.60	LFP472M30045□VA
	4700	35×35	0.25	3.60	LFP472M35035□VA
	5600	30×50	0.25	3.90	LFP562M30050□VA
	5600	35×40	0.25	3.90	LFP562M35040□VA
	6800	30×50	0.25	4.00	LFP682M30050□VA
6800	35×45	0.25	4.00	LFP682M35045□VA	
8200	35×50	0.25	4.50	LFP682M35050□VA	
10000	35×60	0.25	5.30	LFP103M35060□VA	
100 (125)	680	22×25	0.20	1.10	LFO681M22025□VA
	820	22×30	0.20	1.20	LFO821M22030□VA
	820	25×25	0.20	1.20	LFO821M25025□VA
	1000	22×35	0.20	1.30	LFO102M22035□VA
	1000	25×30	0.20	1.40	LFO102M25030□VA
	1000	30×25	0.20	1.40	LFO102M30025□VA
	1200	22×40	0.20	1.60	LFO122M22040□VA
	1200	25×30	0.20	1.60	LFO122M25030□VA
	1200	30×25	0.20	1.70	LFO122M30025□VA
	1500	22×45	0.20	1.80	LFO152M22045□VA
	1500	25×35	0.20	1.70	LFO152M25035□VA
	1500	30×30	0.20	1.80	LFO152M30030□VA
	1500	35×25	0.20	1.90	LFO152M35025□VA
	1800	22×50	0.20	2.10	LFO182M22050□VA
	1800	25×40	0.20	2.00	LFO182M25040□VA
	1800	30×30	0.20	2.10	LFO182M30030□VA
	1800	35×25	0.20	2.20	LFO182M35025□VA
	2200	25×45	0.20	2.20	LFO222M25045□VA
	2200	30×35	0.20	2.30	LFO222M30035□VA
	2200	35×30	0.20	2.50	LFO222M35030□VA
	2700	25×50	0.20	2.60	LFO272M25050□VA
	2700	30×40	0.20	2.70	LFO272M30040□VA
	2700	35×35	0.20	2.80	LFO272M35035□VA
	3300	30×50	0.20	3.00	LFO332M30050□VA
	3300	35×35	0.20	3.10	LFO332M35035□VA
3900	30×50	0.20	3.40	LFO392M30050□VA	
3900	35×40	0.20	3.40	LFO392M35040□VA	
4700	30×60	0.20	3.90	LFO472M30060□VA	
4700	35×50	0.20	4.00	LFO472M35050□VA	
5600	35×50	0.20	4.30	LFO562M35050□VA	
6800	35×60	0.20	5.20	LFO682M35060□VA	
160 (200)	270	22×25	0.15	1.20	LFN271M22025□VA
	330	22×30	0.15	1.30	LFN331M22030□VA
	330	25×25	0.15	1.30	LFN331M25025□VA
	390	22×35	0.15	1.50	LFN391M22035□VA
	390	25×30	0.15	1.50	LFN391M25030□VA
	390	30×25	0.15	1.50	LFN391M30025□VA
	470	22×40	0.15	1.60	LFN471M22040□VA
	470	25×30	0.15	1.60	LFN471M25030□VA
	470	30×25	0.15	1.60	LFN471M30025□VA
	560	22×40	0.15	1.90	LFN561M22040□VA
	560	25×35	0.15	1.90	LFN561M25035□VA
	560	30×30	0.15	1.90	LFN561M30030□VA
	560	35×25	0.15	1.90	LFN561M35025□VA
	680	22×45	0.15	2.10	LFN681M22045□VA
	680	25×40	0.15	2.10	LFN681M25040□VA
	680	30×30	0.15	2.10	LFN681M30030□VA
	680	35×25	0.15	2.10	LFN681M35025□VA
	820	22×50	0.15	2.50	LFN821M22050□VA
	820	25×45	0.15	2.40	LFN821M25045□VA
	820	30×35	0.15	2.50	LFN821M30035□VA
	820	35×25	0.15	2.40	LFN821M35025□VA
	1000	25×50	0.15	2.80	LFN102M25050□VA
	1000	30×40	0.15	2.80	LFN102M30040□VA
	1000	35×30	0.15	2.80	LFN102M35030□VA
	1200	25×50	0.15	3.10	LFN122M25050□VA
1200	30×45	0.15	3.20	LFN122M30045□VA	
1200	35×35	0.15	3.00	LFN122M35035□VA	

\*产品编码中口内为产品端子引出型式代码  
\*□Enter the appropriate terminal code

## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
160 (200)	1500	30×50	0.15	3.70	LFN152M30050□VA
	1500	35×40	0.15	3.60	LFN152M35040□VA
	1800	30×60	0.15	4.30	LFN182M30060□VA
	1800	35×45	0.15	3.90	LFN182M35045□VA
	2200	35×50	0.15	4.50	LFN222M35050□VA
	2700	35×60	0.15	5.20	LFN272M35060□VA
	3900	35×80	0.15	5.80	LFN392M35080□VA
	4700	40×80	0.15	7.10	LFN472M40080□VA
	5600	40×90	0.15	8.10	LFN562M40090□VA
200 (250)	220	22×25	0.15	1.10	LFL221M22025□VA
	270	22×30	0.15	1.20	LFL271M22030□VA
	270	25×25	0.15	1.30	LFL271M25025□VA
	330	22×30	0.15	1.40	LFL331M22030□VA
	330	25×25	0.15	1.40	LFL331M25025□VA
	390	22×35	0.15	1.50	LFL391M22035□VA
	390	25×30	0.15	1.60	LFL391M25030□VA
	390	30×25	0.15	1.50	LFL391M30025□VA
	470	22×40	0.15	1.80	LFL471M22040□VA
	470	25×35	0.15	1.80	LFL471M25035□VA
	470	30×25	0.15	1.90	LFL471M30025□VA
	560	22×45	0.15	2.00	LFL561M22045□VA
	560	25×35	0.15	2.00	LFL561M25035□VA
	560	30×30	0.15	2.10	LFL561M30030□VA
	560	35×25	0.15	2.00	LFL561M35025□VA
	680	22×50	0.15	2.20	LFL681M22050□VA
	680	25×40	0.15	2.30	LFL681M25040□VA
	680	30×35	0.15	2.40	LFL681M30035□VA
	680	35×25	0.15	2.40	LFL681M35025□VA
	820	25×50	0.15	2.60	LFL821M25050□VA
	820	30×40	0.15	2.70	LFL821M30040□VA
	820	35×30	0.15	2.50	LFL821M35030□VA
	1000	25×50	0.15	2.80	LFL102M25050□VA
	1000	30×45	0.15	3.10	LFL102M30045□VA
	1000	35×35	0.15	2.80	LFL102M35035□VA
	1200	25×60	0.15	3.40	LFL122M25060□VA
	1200	30×50	0.15	3.40	LFL122M30050□VA
1200	35×40	0.15	3.20	LFL122M35040□VA	
1500	30×50	0.15	3.80	LFL152M30050□VA	
1500	35×40	0.15	3.60	LFL152M35040□VA	
1800	30×60	0.15	4.50	LFL182M30060□VA	
1800	35×45	0.15	4.10	LFL182M35045□VA	
2200	35×50	0.15	4.70	LFL222M35050□VA	
2700	35×60	0.15	5.00	LFL272M35060□VA	
2700	40×60	0.15	5.40	LFL272M40060□VA	
3300	35×80	0.15	6.00	LFL332M35080□VA	
3300	40×60	0.15	5.90	LFL332M40060□VA	
3900	40×80	0.15	7.00	LFL392M40080□VA	
4700	40×90	0.15	8.40	LFL472M40090□VA	
250 (300)	150	22×25	0.15	0.90	LFJ151M22025□VA
	180	22×30	0.15	0.90	LFJ181M22030□VA
	180	25×25	0.15	1.01	LFJ181M25025□VA
	220	22×35	0.15	1.10	LFJ221M22035□VA
	220	25×30	0.15	1.19	LFJ221M25030□VA
	270	22×40	0.15	1.28	LFJ271M22040□VA
	270	25×30	0.15	1.32	LFJ271M25030□VA
	270	30×25	0.15	1.35	LFJ271M30025□VA
	330	22×45	0.15	1.50	LFJ331M22045□VA
	330	25×35	0.15	1.56	LFJ331M25035□VA

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C/120Hz	Ripple Current 85°C/120Hz (Arms)	Catalog Part Number
250 (300)	330	30×30	0.15	1.60	LFJ331M30030□VA
	330	35×25	0.15	1.62	LFJ331M35025□VA
	390	22×50	0.15	1.60	LFJ391M22050□VA
	390	25×40	0.15	1.69	LFJ391M25040□VA
	390	30×30	0.15	1.73	LFJ391M30030□VA
	390	35×25	0.15	1.77	LFJ391M35025□VA
	470	25×45	0.15	1.96	LFJ471M25045□VA
	470	30×35	0.15	2.02	LFJ471M30035□VA
	470	35×25	0.15	2.06	LFJ471M35025□VA
	560	30×40	0.15	2.20	LFJ561M30040□VA
	560	35×30	0.15	2.25	LFJ561M35030□VA
	680	30×40	0.15	2.30	LFJ681M30040□VA
	680	35×30	0.15	2.60	LFJ681M35030□VA
	820	30×50	0.15	2.95	LFJ821M30050□VA
	820	35×40	0.15	3.03	LFJ821M35040□VA
	1000	30×50	0.15	3.00	LFJ102M30050□VA
	1000	35×45	0.15	3.15	LFJ102M35045□VA
	1200	35×50	0.15	3.60	LFJ122M35050□VA
	1500	35×50	0.15	4.00	LFJ152M35050□VA
	1800	35×60	0.15	4.70	LFJ182M35060□VA
	2200	35×70	0.15	5.20	LFJ222M35070□VA
	2700	40×80	0.15	6.50	LFJ272M40080□VA
	3300	40×90	0.15	7.70	LFJ332M40090□VA
	3900	40×100	0.15	8.40	LFJ392M40100□VA
	3900	45×80	0.15	8.30	LFJ392M45080□VA
	4700	45×100	0.15	9.60	LFJ472M45100□VA
	4700	50×80	0.15	9.20	LFJ472M50080□VA
315 (365)	100	22×25	0.15	0.68	LF1101M22025□VA
	120	22×30	0.15	0.82	LF1121M22030□VA
	150	22×30	0.15	0.86	LF1151M22030□VA
	150	25×25	0.15	0.89	LF1151M25025□VA
	180	22×35	0.15	0.96	LF1181M22035□VA
	180	25×30	0.15	0.98	LF1181M25030□VA
	180	30×25	0.15	1.00	LF1181M30025□VA
	220	22×40	0.15	1.12	LF1221M22040□VA
	220	25×35	0.15	1.15	LF1221M25035□VA
	220	30×25	0.15	1.18	LF1221M30025□VA
	270	22×45	0.15	1.30	LF1271M22045□VA
	270	25×40	0.15	1.40	LF1271M25040□VA
	270	30×30	0.15	1.45	LF1271M30030□VA
	270	35×25	0.15	1.49	LF1271M35025□VA
	330	25×45	0.15	1.52	LF1331M25045□VA
	330	30×35	0.15	1.55	LF1331M30035□VA
	330	35×30	0.15	1.58	LF1331M35030□VA
	390	25×50	0.15	1.63	LF1391M25050□VA
	390	30×40	0.15	1.66	LF1391M30040□VA
	390	35×30	0.15	1.69	LF1391M35030□VA
	470	30×45	0.15	1.95	LF1471M30045□VA
	470	35×35	0.15	1.99	LF1471M35035□VA
	560	30×50	0.15	2.13	LF1561M30050□VA
	560	35×40	0.15	2.16	LF1561M35040□VA
	680	30×60	0.15	2.55	LF1681M30060□VA
	680	35×45	0.15	2.40	LF1681M35045□VA
	820	35×50	0.15	2.70	LF1821M35050□VA
1000	35×60	0.15	3.30	LF1102M35060□VA	
1200	35×60	0.15	3.60	LF1122M35060□VA	
1500	35×70	0.15	4.40	LF1152M35070□VA	
1800	35×80	0.15	5.15	LF1182M35080□VA	

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## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap (μF)	Size D×L (mm)	tanδ 20℃ 120Hz	Ripple Current 85℃ 120Hz (Arms)	Catalog Part Number	
315 (365)	2200	35×100	0.15	6.00	LFI222M35100□VA	
	2200	40×80	0.15	5.80	LFI222M40080□VA	
	2700	45×80	0.15	6.90	LFI272M45080□VA	
	3300	45×90	0.15	8.10	LFI332M45090□VA	
	3300	50×80	0.15	8.20	LFI332M50080□VA	
350 (400)	82	22×25	0.18	0.64	LFH820M22025□VA	
	100	22×25	0.18	0.80	LFH101M22025□VA	
	120	22×30	0.18	0.85	LFH121M22030□VA	
	120	25×25	0.18	0.83	LFH121M25025□VA	
	150	22×35	0.18	0.95	LFH151M22035□VA	
	150	25×30	0.18	0.98	LFH151M25030□VA	
	150	30×25	0.18	0.96	LFH151M30025□VA	
	180	22×40	0.18	1.12	LFH181M22040□VA	
	180	25×30	0.18	1.15	LFH181M25030□VA	
	180	30×25	0.18	1.13	LFH181M30025□VA	
	220	22×45	0.18	1.30	LFH221M22045□VA	
	220	25×35	0.18	1.35	LFH221M25035□VA	
	220	30×30	0.18	1.33	LFH221M30030□VA	
	220	35×25	0.18	1.31	LFH221M35025□VA	
	270	22×50	0.18	1.50	LFH271M22050□VA	
	270	25×45	0.18	1.64	LFH271M25045□VA	
	270	30×35	0.18	1.65	LFH271M30035□VA	
	270	35×25	0.18	1.61	LFH271M35025□VA	
	330	25×50	0.18	1.75	LFH331M25050□VA	
	330	30×40	0.18	1.73	LFH331M30040□VA	
	330	35×30	0.18	1.70	LFH331M35030□VA	
	390	30×45	0.18	1.90	LFH391M30045□VA	
	390	35×35	0.18	1.92	LFH391M35035□VA	
	470	30×50	0.18	2.12	LFH471M30050□VA	
	470	35×40	0.18	2.10	LFH471M35040□VA	
	560	30×50	0.18	2.43	LFH561M30050□VA	
	560	35×45	0.18	2.40	LFH561M35045□VA	
	680	30×60	0.18	2.73	LFH681M30060□VA	
	680	35×50	0.18	2.70	LFH681M35050□VA	
	820	35×60	0.18	3.06	LFH821M35060□VA	
	1000	35×60	0.18	3.37	LFH102M35060□VA	
	1200	40×70	0.18	4.52	LFH122M40070□VA	
	1500	40×80	0.18	5.20	LFH152M40080□VA	
1500	45×70	0.18	5.20	LFH152M45070□VA		
1800	40×100	0.18	6.30	LFH182M40100□VA		
1800	45×70	0.18	5.80	LFH182M45070□VA		
2200	40×100	0.18	7.00	LFH222M40100□VA		
2700	45×90	0.18	7.80	LFH272M45090□VA		
3300	45×105	0.18	9.53	LFH332M45105□VA		
3300	50×90	0.18	9.50	LFH332M50090□VA		
400 (450)	47	22×25	0.18	0.50	LFG470M22025□VA	
	56	22×25	0.18	0.52	LFG560M22025□VA	
	68	22×25	0.18	0.56	LFG680M22025□VA	
	82	22×25	0.18	0.66	LFG820M22025□VA	
	100	22×30	0.18	0.78	LFG101M22030□VA	
	100	25×25	0.18	0.75	LFG101M25025□VA	
	120	22×35	0.18	0.83	LFG121M22035□VA	
	120	25×30	0.18	0.85	LFG121M25030□VA	
	120	30×25	0.18	0.81	LFG121M30025□VA	
	150	22×40	0.18	0.95	LFG151M22040□VA	
	150	25×30	0.18	0.98	LFG151M25030□VA	
	150	30×25	0.18	0.96	LFG151M30025□VA	
	180	22×45	0.18	1.10	LFG181M22045□VA	
	400 (500)	180	25×35	0.18	1.15	LFG181M25035□VA
		180	30×30	0.18	1.20	LFG181M30030□VA
180		35×25	0.18	1.28	LFG181M35025□VA	
220		22×50	0.18	1.25	LFG221M22050□VA	
220		25×40	0.18	1.33	LFG221M25040□VA	
220		30×35	0.18	1.40	LFG221M30035□VA	
220		35×25	0.18	1.31	LFG221M35025□VA	
270		25×45	0.18	1.45	LFG271M25045□VA	
270		30×40	0.18	1.61	LFG271M30040□VA	
270		35×30	0.18	1.65	LFG271M35030□VA	
330		25×50	0.18	1.89	LFG331M25050□VA	
330		30×40	0.18	1.87	LFG331M30040□VA	
330		35×30	0.18	1.83	LFG331M35030□VA	
390		30×50	0.18	1.95	LFG391M30050□VA	
390		35×35	0.18	2.00	LFG391M35035□VA	
470		25×60	0.18	2.40	LFG471M25060□VA	
470		30×50	0.18	2.35	LFG471M30050□VA	
470		35×40	0.18	2.35	LFG471M35040□VA	
560		30×60	0.18	2.60	LFG561M30060□VA	
560		35×50	0.18	2.58	LFG561M35050□VA	
680		30×70	0.18	2.91	LFG681M30070□VA	
680		35×50	0.18	2.88	LFG681M35050□VA	
820		35×60	0.18	3.24	LFG821M35060□VA	
1000		35×60	0.18	3.58	LFG102M35060□VA	
1200		35×70	0.18	4.42	LFG122M35070□VA	
1500		40×80	0.18	5.80	LFG152M40080□VA	
1500		45×70	0.18	5.85	LFG152M45070□VA	
1500		45×80	0.18	6.20	LFG152M45080□VA	
1800		40×90	0.18	6.50	LFG182M40090□VA	
1800		45×80	0.18	6.60	LFG182M45080□VA	
2200		45×90	0.18	7.70	LFG222M45090□VA	
2200		50×80	0.18	7.80	LFG222M50080□VA	
2700		50×100	0.18	9.50	LFG272M50100□VA	
3300		50×110	0.18	10.7	LFG332M50110□VA	
450 (500)		47	22×25	0.20	0.52	LFE470M22025□VA
		56	22×25	0.20	0.55	LFE560M22025□VA
		68	22×30	0.20	0.57	LFE680M22030□VA
		68	25×25	0.20	0.57	LFE680M25025□VA
		82	22×30	0.20	0.65	LFE820M22030□VA
		82	25×25	0.20	0.65	LFE820M25025□VA
	100	22×35	0.20	0.72	LFE101M22035□VA	
	100	25×30	0.20	0.73	LFE101M25030□VA	
	100	30×25	0.20	0.73	LFE101M30025□VA	
	120	22×40	0.20	0.80	LFE121M22040□VA	
	120	25×30	0.20	0.83	LFE121M25030□VA	
	120	30×25	0.20	0.83	LFE121M30025□VA	
	150	22×45	0.20	0.95	LFE151M22045□VA	
	150	25×35	0.20	0.95	LFE151M25035□VA	
	150	30×30	0.20	0.98	LFE151M30030□VA	
	150	35×25	0.20	0.98	LFE151M35025□VA	
	180	22×50	0.20	1.10	LFE181M22050□VA	
	180	25×40	0.20	1.12	LFE181M25040□VA	
	180	30×30	0.20	1.13	LFE181M30030□VA	
	180	35×25	0.20	1.20	LFE181M35025□VA	
220	25×50	0.20	1.20	LFE221M25050□VA		
220	30×35	0.20	1.30	LFE221M30035□VA		
220	35×30	0.20	1.30	LFE221M35030□VA		
270	30×40	0.20	1.40	LFE271M30040□VA		

\*产品编码中□内为产品端子引出型式代码  
\*□Enter the appropriate terminal code

# LF 系列 SERIES

## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number	
450 (500)	270	35×35	0.20	1.50	LFE271M35035□VA	
	330	30×45	0.20	1.60	LFE331M30045□VA	
	330	35×35	0.20	1.70	LFE331M35035□VA	
	390	30×50	0.20	1.85	LFE391M30050□VA	
	390	35×40	0.20	1.90	LFE391M35040□VA	
	470	30×60	0.20	2.37	LFE471M30060□VA	
	470	35×50	0.20	2.39	LFE471M35050□VA	
	560	35×50	0.20	2.61	LFE561M35050□VA	
	680	35×60	0.20	3.11	LFE681M35060□VA	
	820	35×70	0.20	3.60	LFE821M35070□VA	
	1000	35×80	0.20	4.29	LFE102M35080□VA	
	1200	35×80	0.20	4.82	LFE122M35080□VA	
	1200	40×70	0.20	4.90	LFE122M40070□VA	
	1500	40×90	0.20	6.20	LFE152M40090□VA	
	1500	45×80	0.20	6.30	LFE152M45080□VA	
	500 (550)	1800	45×90	0.20	7.20	LFE182M45090□VA
1800		50×75	0.20	7.10	LFE182M50075□VA	
2200		50×85	0.20	8.50	LFE222M50085□VA	
2200		45×105	0.20	8.80	LFE222M45105□VA	
2700		50×105	0.20	10.4	LFE272M50105□VA	
500 (550)		47	22×25	0.20	0.50	LFC470M22025□VA
		56	22×30	0.20	0.60	LFC560M22030□VA
		68	22×35	0.20	0.70	LFC680M22035□VA
		68	25×25	0.20	0.70	LFC680M25025□VA
		82	22×40	0.20	0.80	LFC820M22040□VA
		82	25×30	0.20	0.80	LFC820M25030□VA
		100	22×45	0.20	0.90	LFC101M22045□VA
		100	25×35	0.20	0.90	LFC101M25035□VA
		100	30×25	0.20	0.90	LFC101M30025□VA
		120	22×50	0.20	1.00	LFC121M22050□VA
		120	25×40	0.20	1.00	LFC121M25040□VA
	120	30×30	0.20	1.00	LFC121M30030□VA	
	120	35×25	0.20	1.00	LFC121M35025□VA	
	150	25×45	0.20	1.20	LFC151M25045□VA	
	150	30×35	0.20	1.20	LFC151M30035□VA	
	150	35×25	0.20	1.20	LFC151M35025□VA	
	180	25×50	0.20	1.40	LFC181M25050□VA	
	180	30×40	0.20	1.40	LFC181M30040□VA	
	180	35×30	0.20	1.40	LFC181M35030□VA	
	500 (550)	220	30×45	0.20	1.60	LFC221M30045□VA
220		35×35	0.20	1.60	LFC221M35035□VA	
270		30×50	0.20	1.60	LFC271M30050□VA	
270		35×40	0.20	1.60	LFC271M35040□VA	
330		30×60	0.20	2.00	LFC331M30060□VA	
330		35×45	0.20	2.00	LFC331M35045□VA	
390		35×50	0.20	2.30	LFC391M35050□VA	
470		35×60	0.20	2.50	LFC471M35060□VA	
560		35×60	0.20	2.60	LFC561M35060□VA	
560		40×60	0.20	2.80	LFC561M40060□VA	
680		35×80	0.20	3.40	LFC681M35080□VA	
680		40×70	0.20	3.50	LFC681M40070□VA	
820		35×90	0.20	3.90	LFC821M35090□VA	
820		40×70	0.20	3.80	LFC821M40070□VA	
1000		40×80	0.20	4.40	LFC102M40080□VA	
1000		45×70	0.20	4.20	LFC102M45070□VA	
1200		40×90	0.20	4.90	LFC122M40090□VA	
1200		45×80	0.20	5.00	LFC122M45080□VA	
1500		45×100	0.20	6.30	LFC152M45100□VA	
1500		50×80	0.20	6.00	LFC152M50080□VA	
1800	50×90	0.20	6.70	LFC182M50090□VA		
550 (600)	2200	50×105	0.20	7.80	LFC222M50105□VA	
	180	30×45	0.20	1.20	LFZ181M30045□VA	
	220	30×50	0.20	1.30	LFZ221M30050□VA	
	270	30×60	0.20	1.60	LFZ271M30060□VA	
	270	35×45	0.20	1.60	LFZ271M35045□VA	
	330	30×70	0.20	1.90	LFZ331M30070□VA	
	330	35×50	0.20	1.80	LFZ331M35050□VA	
	390	30×80	0.20	2.20	LFZ391M30080□VA	
	390	35×60	0.20	2.10	LFZ391M35060□VA	
	470	35×70	0.20	2.50	LFZ471M35070□VA	
	470	40×60	0.20	2.50	LFZ471M40060□VA	
	560	35×80	0.20	2.90	LFZ561M35080□VA	
	560	40×70	0.20	2.90	LFZ561M40070□VA	
	680	35×95	0.20	3.40	LFZ681M35095□VA	
	680	40×80	0.20	3.40	LFZ681M40080□VA	
	820	40×100	0.20	4.10	LFZ821M40100□VA	
820	45×75	0.20	3.90	LFZ821M45075□VA		
1000	45×90	0.20	4.60	LFZ102M45090□VA		
1000	50×75	0.20	4.60	LFZ102M50075□VA		
1200	45×105	0.20	5.30	LFZ122M45105□VA		
1200	50×85	0.20	5.20	LFZ122M50085□VA		
1500	50×100	0.20	6.00	LFZ152M50100□VA		
600 (650)	150	30×45	0.20	1.00	LFB151M30045□VA	
	180	30×50	0.20	1.20	LFB181M30050□VA	
	220	30×60	0.20	1.40	LFB221M30060□VA	
	270	30×70	0.20	1.60	LFB271M30070□VA	
	330	35×60	0.20	1.80	LFB331M35060□VA	
	330	40×50	0.20	1.80	LFB331M40050□VA	
	390	35×70	0.20	2.20	LFB391M35070□VA	
	390	40×60	0.20	2.20	LFB391M40060□VA	
	470	35×80	0.20	2.50	LFB471M35080□VA	
	470	40×70	0.20	2.50	LFB471M40070□VA	
	560	35×90	0.20	2.90	LFB561M35090□VA	
	560	40×80	0.20	2.90	LFB561M40080□VA	
	680	40×90	0.20	3.40	LFB681M40090□VA	
	680	45×70	0.20	3.30	LFB681M45070□VA	
	820	45×85	0.20	3.90	LFB821M45085□VA	
	820	50×70	0.20	4.10	LFB821M50070□VA	
	1000	45×100	0.20	4.60	LFB102M45100□VA	
	1000	50×80	0.20	4.50	LFB102M50080□VA	
	1200	50×95	0.20	5.30	LFB122M50095□VA	
	650 (700)	150	30×45	0.20	1.00	LFA151M30045□VA
180		30×50	0.20	1.20	LFA181M30050□VA	
220		30×60	0.20	1.40	LFA221M30060□VA	
270		30×70	0.20	1.60	LFA271M30070□VA	
270		35×50	0.20	1.50	LFA271M35050□VA	
330		30×85	0.20	1.90	LFA331M30085□VA	
330		40×50	0.20	1.80	LFA331M40050□VA	
390		40×60	0.20	2.10	LFA391M40060□VA	
470		40×70	0.20	2.40	LFA471M40070□VA	
470		45×55	0.20	2.40	LFA471M45055□VA	
560		40×80	0.20	2.80	LFA561M40080□VA	
560		45×65	0.20	2.80	LFA561M45065□VA	
680		40×95	0.20	3.40	LFA681M40095□VA	
680		45×75	0.20	3.20	LFA681M45075□VA	
820		45×90	0.20	3.80	LFA821M45090□VA	
820		50×75	0.20	3.80	LFA821M50075□VA	
1000		45×105	0.20	4.50	LFA102M45105□VA	
1000		50×85	0.20	4.40	LFA102M50085□VA	
1200		50×105	0.20	5.20	LFA122M50105□VA	

\*产品编码中□内为产品端子引出型式代码

\*□Enter the appropriate terminal code



# LF 系列 SERIES

## ◆ 产品一览表 Standard Ratings

WV <sub>DC</sub> (Surge Voltage) (V)	Cap ( $\mu$ F)	Size D×L (mm)	$\tan\delta$ 20°C 120Hz	Ripple Current 85°C 120Hz (Arms)	Catalog Part Number
700 (750)	180	35×45	0.20	1.20	LF5181M35045□VA
	220	35×50	0.20	1.40	LF5221M35050□VA
	270	35×60	0.20	1.54	LF5271M35060□VA
	330	35×70	0.20	1.92	LF5331M35070□VA
	470	35×80	0.20	2.28	LF5471M35080□VA
	560	40×100	0.20	3.20	LF5561M40100□VA

\*产品编码中□内为产品端子引出型式代码

\*□Enter the appropriate terminal code

\*记载之外的体积，请另行咨询。

\* Please ask for advice for other sizes.

\*铝电解电容器由于承受纹波电流而发热，随着温升而发生性能劣化。请在使用中降低产品承受的纹波电流。

\*Aluminum electrolytic capacitor will emit heat when ripple current is applied, the performance will deteriorate when temp. rises. Please reduce the ripple current when using capacitor.

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[ESMG160ETD101ME11D](#) [ELXY100ETD102MJ20S](#) [EGXF500ELL561ML15S](#) [EKMG350ETD471MJ16S](#) [35YXA330MEFC10X12.5](#)  
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[LKMD1401H181MF](#) [LKMI2502G820MF](#) [LKMJ2001J122MF](#) [LKML2501C472MF](#) [LKMJ4002C681MF](#) [450MXH330MEFCSN25X45](#)  
[450MXK330MA2RFC22X50](#) [63ZLH560MEFCG412.5X30](#) [ELH2DM331O25KT](#) [ELH2DM471P30KT](#)