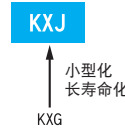


KXJ 系列

- 小型化
- 高纹波
- 长寿命
- RoHS指令适应品

- KXG系列的小型化·长寿命化品。
- 保证105°C 10,000 ~ 12,000小时。(纹波叠加)
- 额定电压范围: 160 ~ 450V、静电容量范围: 6.8 ~ 680 $\mu$ F。
- 最适合于照明设备电子镇流器,长寿命电源输入平滑用等。
- 请注意不属于基板清洗类型。

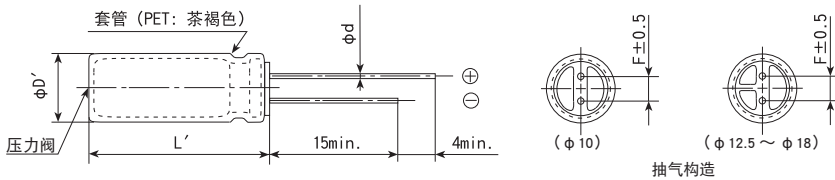


规格表

项目	性能			
工作温度范围	-40~+105°C (160~400V <sub>dc</sub> )		-25~+105°C (420.450V <sub>dc</sub> )	
额定电压范围	160~450V <sub>dc</sub>			
静电容量容许差	±20% (M) (20°C、120Hz)			
漏电流		1分值	5分值	
	CV ≤ 1000	I ≤ 0.1CV+40	I ≤ 0.03CV+15	
	CV > 1000	I ≤ 0.04CV+100	I ≤ 0.02CV+25	
	I: 漏电流 (μA)、C: 静电容量 (μF)、V: 额定电压 (V <sub>dc</sub> ) (20°C)			
损失角正切值 (tan δ)	额定电压 (V <sub>dc</sub> )	160~250V	350~450V	
	tan δ (Max)	0.20	0.24	(20°C、120Hz)
温度特性 (阻抗比 Max右表值)	额定电压 (V <sub>dc</sub> )	160~250V	350.400V	420.450V
	Z(-25°C) / Z(+20°C)	3	5	6
	Z(-40°C) / Z(+20°C)	6	6	—
				(120Hz)
耐久性	在105°C环境中, 不超过额定电压的范围下叠加额定纹波电流, 连续加载额定电压12,000小时(20L以下: 10,000小时)后, 待温度恢复到20°C进行测量时, 应满足以下要求。			
	静电容量变化率	≤ 初始值的±20%		
	损失角正切值	≤ 初始规格值的200%		
	漏电流	≤ 初始规格值		
高温无负荷特性	在105°C环境中, 无负荷放置1,000小时后待温度恢复到20°C, 进行试验前处理(JIS C 5101-4 4.1项)后进行测量时, 应满足以下要求。			
	静电容量变化率	≤ 初始值的±20%		
	损失角正切值	≤ 初始规格值的200%		
	漏电流	≤ 初始规格值的500%		

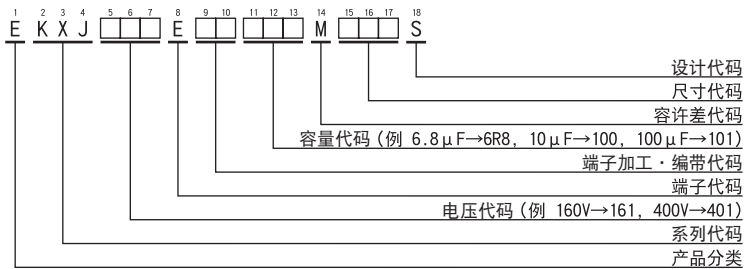
尺寸图 (CE04形) [mm]

● 端子代码: E



φD	10	12.5	14.5	16	18
φd	0.6	0.6	0.8	0.8	0.8
F	5.0	5.0	7.5	7.5	7.5
φD'	φD+0.5max.				
L'	L+1.5max.				

产品型号体系



产品型号代码的详细介绍请参考「产品型号的表示方法(引线型)」。

额定纹波电流频率修正系数

纹波频率与标准品一览表的规定值相异时, 请使用小于乘以下表系数所得之值的值。

● 频率修正系数

频率 (Hz)	120	1k	10k	100k
< 100 $\mu$ F	1.00	1.75	2.25	2.50
≥ 100 $\mu$ F	1.00	1.67	2.05	2.25

※ 铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化, 每升温5°C寿命减少一半。要想保持长寿命请在使用过程中降低纹波电流。

◆标准品一览表

WV (Vdc)	Cap (μF)	尺寸 ΦD×L(mm)	tanδ	额定纹波电流 (mA rms/105°C, 120Hz)	产品型号	WV (Vdc)	Cap (μF)	尺寸 ΦD×L(mm)	tanδ	额定纹波电流 (mA rms/105°C, 120Hz)	产品型号
160	39	10×16	0.20	245	EKXJ161E□□390MJ16S	220	27	10×16	0.20	200	EKXJ221E□□270MJ16S
	56	10×20	0.20	315	EKXJ161E□□560MJ20S		39	10×20	0.20	265	EKXJ221E□□390MJ20S
	82	10×25	0.20	415	EKXJ161E□□820MJ25S		56	10×25	0.20	345	EKXJ221E□□560MJ25S
	82	10×30	0.20	445	EKXJ161E□□820MJ30S		56	10×30	0.20	370	EKXJ221E□□560MJ30S
	100	12.5×20	0.20	575	EKXJ161E□□101MK20S		68	12.5×20	0.20	475	EKXJ221E□□680MK20S
	120	10×35	0.20	570	EKXJ161E□□121MJ35S		82	10×35	0.20	470	EKXJ221E□□820MJ35S
	120	14.5×20	0.20	675	EKXJ161E□□121MU20S		82	14.5×20	0.20	555	EKXJ221E□□820MU20S
	150	10×40	0.20	665	EKXJ161E□□151MJ40S		100	10×40	0.20	545	EKXJ221E□□101MJ40S
	150	10×45	0.20	695	EKXJ161E□□151MJ45S		100	10×45	0.20	565	EKXJ221E□□101MJ45S
	150	12.5×25	0.20	765	EKXJ161E□□151MK25S		100	12.5×25	0.20	625	EKXJ221E□□101MK25S
	180	10×50	0.20	785	EKXJ161E□□181MJ50S		120	10×50	0.20	645	EKXJ221E□□121MJ50S
	180	12.5×30	0.20	885	EKXJ161E□□181MK30S		120	12.5×30	0.20	725	EKXJ221E□□121MK30S
	180	14.5×25	0.20	890	EKXJ161E□□181MU25S		120	14.5×25	0.20	725	EKXJ221E□□121MU25S
	180	16×20	0.20	855	EKXJ161E□□181ML20S		120	16×20	0.20	695	EKXJ221E□□121ML20S
	220	12.5×35	0.20	1,040	EKXJ161E□□221MK35S		150	12.5×35	0.20	860	EKXJ221E□□151MK35S
	220	16×25	0.20	1,020	EKXJ161E□□221ML25S		150	16×25	0.20	845	EKXJ221E□□151ML25S
	220	18×20	0.20	990	EKXJ161E□□221MM20S		150	18×20	0.20	815	EKXJ221E□□151MM20S
	270	12.5×40	0.20	1,190	EKXJ161E□□271MK40S		180	12.5×40	0.20	975	EKXJ221E□□181MK40S
	270	12.5×45	0.20	1,230	EKXJ161E□□271MK45S		180	12.5×45	0.20	1,005	EKXJ221E□□181MK45S
	270	14.5×31.5	0.20	1,170	EKXJ161E□□271MUN3S		180	14.5×31.5	0.20	955	EKXJ221E□□181MUN3S
	270	14.5×35.5	0.20	1,210	EKXJ161E□□271MUP1S		220	12.5×50	0.20	1,145	EKXJ221E□□221MK50S
	330	12.5×50	0.20	1,400	EKXJ161E□□331MK50S		220	14.5×35.5	0.20	1,095	EKXJ221E□□221MUP1S
	330	14.5×40	0.20	1,385	EKXJ161E□□331MU40S		220	14.5×40	0.20	1,130	EKXJ221E□□221MU40S
	330	16×31.5	0.20	1,350	EKXJ161E□□331MLN3S		220	16×31.5	0.20	1,100	EKXJ221E□□221MLN3S
	330	18×25	0.20	1,290	EKXJ161E□□331MM25S		220	18×25	0.20	1,050	EKXJ221E□□221MM25S
	390	14.5×45	0.20	1,545	EKXJ161E□□391MU45S		270	14.5×45	0.20	1,285	EKXJ221E□□271MU45S
	390	16×35.5	0.20	1,500	EKXJ161E□□391MLP1S		270	14.5×50	0.20	1,315	EKXJ221E□□271MU50S
	470	14.5×50	0.20	1,735	EKXJ161E□□471MU50S		270	16×35.5	0.20	1,245	EKXJ221E□□271MLP1S
	470	16×40	0.20	1,700	EKXJ161E□□471ML40S		270	18×31.5	0.20	1,260	EKXJ221E□□271MMN3S
	470	16×45	0.20	1,730	EKXJ161E□□471ML45S		330	16×40	0.20	1,425	EKXJ221E□□331ML40S
	470	18×31.5	0.20	1,660	EKXJ161E□□471MMN3S		330	16×45	0.20	1,450	EKXJ221E□□331ML45S
	470	18×35.5	0.20	1,715	EKXJ161E□□471MMP1S		330	18×35.5	0.20	1,440	EKXJ221E□□331MMP1S
	560	16×50	0.20	1,920	EKXJ161E□□561ML50S		390	16×50	0.20	1,600	EKXJ221E□□391ML50S
560	18×40	0.20	1,905	EKXJ161E□□561MM40S	390	18×40	0.20	1,590	EKXJ221E□□391MM40S		
680	18×45	0.20	2,130	EKXJ161E□□681MM45S	390	18×45	0.20	1,620	EKXJ221E□□391MM45S		
680	18×50	0.20	2,145	EKXJ161E□□681MM50S	470	18×50	0.20	1,785	EKXJ221E□□471MM50S		
200	27	10×16	0.20	200	EKXJ201E□□270MJ16S	250	22	10×16	0.20	185	EKXJ251E□□220MJ16S
	47	10×20	0.20	290	EKXJ201E□□470MJ20S		33	10×20	0.20	240	EKXJ251E□□330MJ20S
	56	10×25	0.20	345	EKXJ201E□□560MJ25S		47	10×25	0.20	315	EKXJ251E□□470MJ25S
	68	10×30	0.20	405	EKXJ201E□□680MJ30S		47	10×30	0.20	340	EKXJ251E□□470MJ30S
	82	12.5×20	0.20	520	EKXJ201E□□820MK20S		56	12.5×20	0.20	430	EKXJ251E□□560MK20S
	100	10×35	0.20	520	EKXJ201E□□101MJ35S		68	10×35	0.20	430	EKXJ251E□□680MJ35S
	100	12.5×25	0.20	625	EKXJ201E□□101MK25S		68	14.5×20	0.20	505	EKXJ251E□□680MU20S
	100	14.5×20	0.20	615	EKXJ201E□□101MU20S		82	10×40	0.20	495	EKXJ251E□□820MJ40S
	120	10×40	0.20	595	EKXJ201E□□121MJ40S		82	10×45	0.20	515	EKXJ251E□□820MJ45S
	120	10×45	0.20	620	EKXJ201E□□121MJ45S		82	12.5×25	0.20	565	EKXJ251E□□820MK25S
	120	12.5×30	0.20	725	EKXJ201E□□121MK30S		100	10×50	0.20	585	EKXJ251E□□101MJ50S
	120	16×20	0.20	695	EKXJ201E□□121ML20S		100	12.5×30	0.20	660	EKXJ251E□□101MK30S
	150	10×50	0.20	720	EKXJ201E□□151MJ50S		100	14.5×25	0.20	665	EKXJ251E□□101MU25S
	150	12.5×35	0.20	860	EKXJ201E□□151MK35S		100	16×20	0.20	635	EKXJ251E□□101ML20S
	150	14.5×25	0.20	810	EKXJ201E□□151MU25S		120	12.5×35	0.20	770	EKXJ251E□□121MK35S
	180	14.5×31.5	0.20	955	EKXJ201E□□181MUN3S		120	16×25	0.20	755	EKXJ251E□□121ML25S
	180	16×25	0.20	925	EKXJ201E□□181ML25S		120	18×20	0.20	730	EKXJ251E□□121MM20S
	180	18×20	0.20	895	EKXJ201E□□181MM20S		150	12.5×40	0.20	890	EKXJ251E□□151MK40S
	220	12.5×40	0.20	1,075	EKXJ201E□□221MK40S		150	12.5×45	0.20	920	EKXJ251E□□151MK45S
	220	12.5×45	0.20	1,110	EKXJ201E□□221MK45S		150	14.5×31.5	0.20	870	EKXJ251E□□151MUN3S
	220	14.5×35.5	0.20	1,095	EKXJ201E□□221MUP1S		180	12.5×50	0.20	1,035	EKXJ251E□□181MK50S
	220	18×25	0.20	1,050	EKXJ201E□□221MM25S		180	14.5×35.5	0.20	990	EKXJ251E□□181MUP1S
	270	12.5×50	0.20	1,265	EKXJ201E□□271MK50S		180	14.5×40	0.20	1,020	EKXJ251E□□181MU40S
	270	14.5×40	0.20	1,250	EKXJ201E□□271MU40S		180	16×31.5	0.20	995	EKXJ251E□□181MLN3S
	270	14.5×45	0.20	1,290	EKXJ201E□□271MU45S		180	18×25	0.20	950	EKXJ251E□□181MM25S
	270	16×31.5	0.20	1,220	EKXJ201E□□271MLN3S		220	14.5×45	0.20	1,160	EKXJ251E□□221MU45S
	270	16×35.5	0.20	1,250	EKXJ201E□□271MLP1S		220	14.5×50	0.20	1,185	EKXJ251E□□221MU50S
	330	14.5×50	0.20	1,450	EKXJ201E□□331MU50S		220	16×35.5	0.20	1,125	EKXJ251E□□221MLP1S
	330	16×40	0.20	1,425	EKXJ201E□□331ML40S		220	18×31.5	0.20	1,135	EKXJ251E□□221MMN3S
	330	18×31.5	0.20	1,395	EKXJ201E□□331MMN3S		270	16×40	0.20	1,285	EKXJ251E□□271ML40S
	390	16×45	0.20	1,575	EKXJ201E□□391ML45S		270	16×45	0.20	1,310	EKXJ251E□□271ML45S
	390	18×35.5	0.20	1,565	EKXJ201E□□391MMP1S		270	18×35.5	0.20	1,300	EKXJ251E□□271MMP1S
	470	16×50	0.20	1,755	EKXJ201E□□471ML50S		330	16×50	0.20	1,475	EKXJ251E□□331ML50S
470	18×40	0.20	1,745	EKXJ201E□□471MM40S	330	18×40	0.20	1,460	EKXJ251E□□331MM40S		
470	18×45	0.20	1,770	EKXJ201E□□471MM45S	330	18×45	0.20	1,485	EKXJ251E□□331MM45S		
560	18×50	0.20	1,945	EKXJ201E□□561MM50S	390	18×50	0.20	1,625	EKXJ251E□□391MM50S		

□□内为端子加工·编带代码。

◆标准品一览表

WV (Vdc)	Cap (μF)	尺寸 ΦD×L(mm)	tanδ	额定纹波电流 (mA rms/105°C, 120Hz)	产品型号	WV (Vdc)	Cap (μF)	尺寸 ΦD×L(mm)	tanδ	额定纹波电流 (mA rms/105°C, 120Hz)	产品型号
350	12	10×16	0.24	135	EKXJ351E□□120MJ16S	420	6.8	10×16	0.24	105	EKXJ421E□□6R8MJ16S
	22	10×20	0.24	200	EKXJ351E□□220MJ20S		12	10×20	0.24	150	EKXJ421E□□120MJ20S
	27	10×25	0.24	240	EKXJ351E□□270MJ25S		15	10×25	0.24	185	EKXJ421E□□150MJ25S
	27	10×30	0.24	255	EKXJ351E□□270MJ30S		18	10×30	0.24	215	EKXJ421E□□180MJ30S
	33	12.5×20	0.24	330	EKXJ351E□□330MK20S		22	12.5×20	0.24	285	EKXJ421E□□220MK20S
	39	10×35	0.24	325	EKXJ351E□□390MJ35S		27	10×35	0.24	275	EKXJ421E□□270MJ35S
	47	10×40	0.24	375	EKXJ351E□□470MJ40S		27	10×40	0.24	290	EKXJ421E□□270MJ40S
	47	12.5×25	0.24	425	EKXJ351E□□470MK25S		27	12.5×25	0.24	340	EKXJ421E□□270MK25S
	47	14.5×20	0.24	420	EKXJ351E□□470MU20S		27	14.5×20	0.24	335	EKXJ421E□□270MU20S
	56	10×45	0.24	425	EKXJ351E□□560MJ45S		33	10×45	0.24	335	EKXJ421E□□330MJ45S
	56	12.5×30	0.24	495	EKXJ351E□□560MK30S		33	12.5×30	0.24	400	EKXJ421E□□330MK30S
	56	16×20	0.24	475	EKXJ351E□□560ML20S		33	16×20	0.24	385	EKXJ421E□□330ML20S
	68	10×50	0.24	485	EKXJ351E□□680MJ50S		39	10×50	0.24	375	EKXJ421E□□390MJ50S
	68	12.5×35	0.24	580	EKXJ351E□□680MK35S		39	14.5×25	0.24	435	EKXJ421E□□390MU25S
	68	14.5×25	0.24	545	EKXJ351E□□680MU25S		47	12.5×35	0.24	505	EKXJ421E□□470MK35S
	68	18×20	0.24	550	EKXJ351E□□680MM20S		47	16×25	0.24	500	EKXJ421E□□470ML25S
	82	12.5×40	0.24	655	EKXJ351E□□820MK40S		47	18×20	0.24	480	EKXJ421E□□470MM20S
	82	14.5×31.5	0.24	645	EKXJ351E□□820MUN3S		56	12.5×40	0.24	570	EKXJ421E□□560MK40S
	82	16×25	0.24	625	EKXJ351E□□820ML25S		56	12.5×45	0.24	590	EKXJ421E□□560MK45S
	100	12.5×45	0.24	750	EKXJ351E□□101MK45S		56	14.5×31.5	0.24	560	EKXJ421E□□560MUN3S
	100	12.5×50	0.24	770	EKXJ351E□□101MK50S		68	12.5×50	0.24	670	EKXJ421E□□680MK50S
	100	14.5×35.5	0.24	740	EKXJ351E□□101MUP1S		68	14.5×35.5	0.24	640	EKXJ421E□□680MUP1S
	100	16×31.5	0.24	740	EKXJ351E□□101MLN3S		68	14.5×40	0.24	660	EKXJ421E□□680MU40S
	100	18×25	0.24	710	EKXJ351E□□101MM25S		68	16×31.5	0.24	645	EKXJ421E□□680MLN3S
	120	14.5×40	0.24	835	EKXJ351E□□121MU40S		68	18×25	0.24	615	EKXJ421E□□680MM25S
	120	14.5×45	0.24	860	EKXJ351E□□121MU45S		82	14.5×45	0.24	750	EKXJ421E□□820MU45S
	120	16×35.5	0.24	830	EKXJ351E□□121MLP1S		82	16×35.5	0.24	725	EKXJ421E□□820MLP1S
	150	14.5×50	0.24	980	EKXJ351E□□151MU50S		82	18×31.5	0.24	730	EKXJ421E□□820MMN3S
	150	16×40	0.24	960	EKXJ351E□□151ML40S		100	14.5×50	0.24	845	EKXJ421E□□101MU50S
	150	16×45	0.24	975	EKXJ351E□□151ML45S		100	16×40	0.24	825	EKXJ421E□□101ML40S
	150	18×31.5	0.24	940	EKXJ351E□□151MMN3S		100	16×45	0.24	840	EKXJ421E□□101ML45S
	180	16×50	0.24	1,090	EKXJ351E□□181ML50S		100	18×35.5	0.24	835	EKXJ421E□□101MMP1S
180	18×35.5	0.24	1,065	EKXJ351E□□181MMP1S	120	16×50	0.24	935	EKXJ421E□□121ML50S		
180	18×40	0.24	1,080	EKXJ351E□□181MM40S	120	18×40	0.24	930	EKXJ421E□□121MM40S		
220	18×45	0.24	1,210	EKXJ351E□□221MM45S	120	18×45	0.24	945	EKXJ421E□□121MM45S		
220	18×50	0.24	1,220	EKXJ351E□□221MM50S	150	18×50	0.24	1,060	EKXJ421E□□151MM50S		
400	10	10×16	0.24	125	EKXJ401E□□100MJ16S	450	6.8	10×16	0.24	105	EKXJ451E□□6R8MJ16S
	18	10×20	0.24	180	EKXJ401E□□180MJ20S		12	10×20	0.24	150	EKXJ451E□□120MJ20S
	22	10×25	0.24	215	EKXJ401E□□220MJ25S		15	10×25	0.24	185	EKXJ451E□□150MJ25S
	27	10×30	0.24	255	EKXJ401E□□270MJ30S		18	10×30	0.24	215	EKXJ451E□□180MJ30S
	27	12.5×20	0.24	300	EKXJ401E□□270MK20S		18	12.5×20	0.24	255	EKXJ451E□□180MK20S
	33	10×35	0.24	300	EKXJ401E□□330MJ35S		22	10×35	0.24	250	EKXJ451E□□220MJ35S
	39	10×40	0.24	340	EKXJ401E□□390MJ40S		27	10×40	0.24	290	EKXJ451E□□270MJ40S
	39	10×45	0.24	355	EKXJ401E□□390MJ45S		27	10×45	0.24	305	EKXJ451E□□270MJ45S
	39	12.5×25	0.24	390	EKXJ401E□□390MK25S		27	12.5×25	0.24	340	EKXJ451E□□270MK25S
	39	14.5×20	0.24	385	EKXJ401E□□390MU20S		27	14.5×20	0.24	335	EKXJ451E□□270MU20S
	47	12.5×30	0.24	455	EKXJ401E□□470MK30S		33	12.5×30	0.24	400	EKXJ451E□□330MK30S
	47	16×20	0.24	435	EKXJ401E□□470ML20S		33	14.5×25	0.24	400	EKXJ451E□□330MU25S
	56	10×50	0.24	440	EKXJ401E□□560MJ50S		33	16×20	0.24	385	EKXJ451E□□330ML20S
	56	12.5×35	0.24	525	EKXJ401E□□560MK35S		39	10×50	0.24	375	EKXJ451E□□390MJ50S
	56	14.5×25	0.24	495	EKXJ401E□□560MU25S		39	12.5×35	0.24	460	EKXJ451E□□390MK35S
	56	18×20	0.24	500	EKXJ401E□□560MM20S		39	18×20	0.24	440	EKXJ451E□□390MM20S
	68	12.5×40	0.24	600	EKXJ401E□□680MK40S		47	12.5×40	0.24	525	EKXJ451E□□470MK40S
	68	14.5×31.5	0.24	585	EKXJ401E□□680MUN3S		47	14.5×31.5	0.24	515	EKXJ451E□□470MUN3S
	68	16×25	0.24	570	EKXJ401E□□680ML25S		47	16×25	0.24	500	EKXJ451E□□470ML25S
	82	12.5×45	0.24	680	EKXJ401E□□820MK45S		56	12.5×45	0.24	590	EKXJ451E□□560MK45S
	82	12.5×50	0.24	700	EKXJ401E□□820MK50S		56	14.5×35.5	0.24	580	EKXJ451E□□560MUP1S
	82	14.5×35.5	0.24	670	EKXJ401E□□820MUP1S		56	16×31.5	0.24	585	EKXJ451E□□560MLN3S
	82	16×31.5	0.24	670	EKXJ401E□□820MLN3S		56	18×25	0.24	560	EKXJ451E□□560MM25S
	82	18×25	0.24	640	EKXJ401E□□820MM25S		68	12.5×50	0.24	670	EKXJ451E□□680MK50S
	100	14.5×40	0.24	760	EKXJ401E□□101MU40S		68	14.5×40	0.24	660	EKXJ451E□□680MU40S
	100	14.5×45	0.24	785	EKXJ401E□□101MU45S		68	14.5×45	0.24	680	EKXJ451E□□680MU45S
	100	16×35.5	0.24	760	EKXJ401E□□101MLP1S		68	16×35.5	0.24	660	EKXJ451E□□680MLP1S
	120	14.5×50	0.24	875	EKXJ401E□□121MU50S		82	14.5×50	0.24	765	EKXJ451E□□820MU50S
	120	16×40	0.24	860	EKXJ401E□□121ML40S		82	16×40	0.24	750	EKXJ451E□□820ML40S
	120	16×45	0.24	875	EKXJ401E□□121ML45S		82	16×45	0.24	760	EKXJ451E□□820ML45S
	120	18×31.5	0.24	840	EKXJ401E□□121MMN3S		82	18×31.5	0.24	730	EKXJ451E□□820MMN3S
	120	18×35.5	0.24	870	EKXJ401E□□121MMP1S		100	16×50	0.24	855	EKXJ451E□□101ML50S
150	16×50	0.24	995	EKXJ401E□□151ML50S	100	18×35.5	0.24	835	EKXJ451E□□101MMP1S		
150	18×40	0.24	985	EKXJ401E□□151MM40S	120	18×40	0.24	930	EKXJ451E□□121MM40S		
180	18×45	0.24	1,095	EKXJ401E□□181MM45S	120	18×45	0.24	945	EKXJ451E□□121MM45S		
220	18×50	0.24	1,220	EKXJ401E□□221MM50S	150	18×50	0.24	1,060	EKXJ451E□□151MM50S		

□□内为端子加工·绑带代码。