

## LK 低漏电标准品 (CD117型)

- 良好的低漏电特性, 85°C标准尺寸。

Extremely low leakage current, 85°C standard size.

- 适用于电视机频道转换或小信号输入回路。

Used in Tvs frequency channel conversion or weak signal import loop circuits.



### Specifications

项目 Item	特性 Characteristics								
工作温度范围 Operating temperature range	-40°C~+85°C								
额定电压范围 Rated voltage range	6.3V~100V DC								
静电容量范围 Nominal capacitance range	0.1μF~10000μF								
静电容量误差 Capacitance tolerance	±20% (120Hz:20°C)								
漏电流 (20°C) leakage current(20°C)	I≤0.002CV or 0.4μA(whichever is greater) after 2 minute								
	I: Leakage current C: Normal capacitance V: Rated voltage								
损耗角正切 Dissipation factor (120Hz:20°C)	Rated voltage(V)	6.3	10	16	25	35	50	63	100
	tgδ(MAX)	0.24	0.20	0.16	0.14	0.12	0.10	0.10	0.08
低温特性 Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	6.3	10	16	25	35	50	63	100
	Z-25°C/Z+20°C	4	3	2	2	2	2	2	2
	Z-40°C/Z+20°C	8	6	6	4	4	3	3	3
高温负荷特性 Load Life	After applying rated voltage for 1000 hours at 85°C then resumed 16 hours:								
	Capacitance change	Within ±20% of the initial measured value							
	tgδ	≤200% of the initial specified value							
	Leakage current	≤initial specified value							
高温贮存特性 Shelf Life	After storage for 1000 hours at 85°C then resumed 16 hours:								
	Capacitance change	Within ±20% of the initial measured value							
	tgδ	≤200% of the initial specified value							
	Leakage current	≤initial specified value							

### Diagram of Dimensions(mm)

	φD	5	6.3	8	10	13	16
	F±0.5	2.0	2.5	3.5	1.5	2.0	2.5
	φd±0.05	0.5	0.5	0.5	0.6	0.6	0.8
	α	1.0	1.0	1.0	1.5	1.5	2.0

### Multiplier for Ripple Current vs. Frequency:

CAP(μF)\Hz	50(60)	120	1K	≥10K
CAP<100	0.75	1.00	1.57	2.00
100≤CAP<1000	0.80	1.00	1.34	1.50
CAP≥1000	0.85	1.00	1.10	1.15

### Multiplier for Ripple Current vs. Temperature:

Temperature°C	~55	60	70	85
Factor	1.65	1.50	1.30	1.00

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## Standard Ratings

WV(Coad)		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)	
C(uf)	Coad	φD×L	R.C.	φD×L	R.C.	φD×L	R.C.	φD×L	R.C.
4.7	4R7							5×11	45
6.8	6R8							5×11	55
10	100					5×11	55	5×11	70
15	150					5×11	70	5×11	94
22	220					5×11	85	5×11	104
33	330					5×11	99	5×11	110
47	470			5×11	105	5×11	119	5×11	128
68	680			5×11	116	5×11	130	6.3×11	140
100	101			5×11	130	6.3×11	150	6.3×11	166
150	151			6.3×11	167	6.3×11	180	8×12	245
220	221			6.3×11	207	8×12	270	8×12	288
330	331			8×12	297	8×12	324	10×12	378
470	471	8×12	324	8×12	351	10×12	423	10×17	486
680	681	8×12	389	10×12	423	10×17	486	10×20	576
1000	102	10×12	513	10×17	567	13×21	710	13×21	855
1500	152	10×20	701	13×21	920	13×21	850	13×25	990
2200	222	13×21	945	13×21	990	13×25	1210	16×25	1090
3300	332	13×21	1025	13×25	1260	16×25	1320	16×32	1460
4700	472	13×25	1337	16×25	1450	16×32	1570		
6800	682	16×25	1610	16×32	1660				
10000	103	16×32	1710						

  

WV(Coad)		35V(1V)		50V(1H)		63V(1J)		100V(2A)	
C(uf)	Coad	φD×L	R.C.	φD×L	R.C.	φD×L	R.C.	φD×L	R.C.
0.1	0R1			5×11	1.1			5×11	2.1
0.22	R22			5×11	2.3			5×11	4.7
0.33	R33			5×11	3.5			5×11	7.0
0.47	R47			5×11	5.0			5×11	10.1
0.68	R68			5×11	7.3			5×11	14.5
1	10			5×11	10.7			5×11	19
2.2	2R2			5×11	23			5×11	28
3.3	3R3			5×11	40			5×11	45
4.7	4R7			5×11	45			5×11	50
6.8	6R8			5×11	55	5×11	56	6.3×11	54
10	10R			5×11	70	5×11	63	6.3×11	67
15	150	5×11	76	5×11	86	6.3×11	100	8×12	101
22	220	5×11	85	5×11	101	6.3×11	103	8×12	153
33	330	5×11	94	6.3×11	113	8×12	170	10×12	171
47	470	6.3×11	126	6.3×11	135	8×12	201	10×17	207
68	680	6.3×11	151	8×12	187	10×12	236	10×20	290
100	101	8×12	207	8×12	225	10×12	270	13×21	370
150	151	8×12	248	10×12	270	10×17	370	13×25	470
220	221	10×12	333	10×17	396	10×20	441	13×25	510
330	331	10×17	444	10×20	597	13×21	612	16×25	670
470	471	10×20	576	13×21	684	13×25	792	16×32	780
680	681	13×21	684	13×21	792	16×25	970		
1000	102	13×25	990	16×25	1210	16×32	1250		
1500	1502	16×25	1100	16×32	1260				
2200	2202	16×25	1360						

Permit ripple current : (mArms, 85°C, 120HZ)

Case size: φD×L (mm)