

LL 宽温低漏电品 (CD117H型)

- 良好的低漏电特性, 105°C 标准尺寸。

Extremely low leakage current, 105°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~+105°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~3300μF								
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 2000 hours at 105°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 105°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
	F ± 0.5	2.0	2.5	3.5	1.5	2.0
	φ d ± 0.05	0.5	0.5	0.5	0.6	0.6
	α	1.0	1.0	1.0	1.5	1.5

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	70	85	105
Factor	2.23	2.0	1.75	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.
0.1	0R1								
0.22	R22								
0.33	R33								
0.47	R47								
1	10								
2.2	2R2								
3.3	3R3								
4.7	4R7							5×11	18
10	100					5×11	24	5×11	30
22	220	5×11	21	5×11	23	5×11	45	5×11	48
33	330	5×11	33	5×11	48	5×11	54	5×11	57
47	470	5×11	45	5×11	57	5×11	66	5×11	69
100	101	5×11	78	5×11	87	6.3×11	105	6.3×11	111
220	221	6.3×11	129	6.3×11	138	8×12	180	8×12	192
330	331	6.3×11	159	8×12	198	8×12	216	10×12	252
470	471	8×12	216	8×12	234	10×12	282	10×17	324
1000	102	10×12	342	10×17	378	10×20	474	13×21	570
2200	222	10×20	630	13×21	660				
3300	332	13×21	750						

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	1.1
0.22	R22			5×11	2.3			5×11	2.3
0.33	R33			5×11	3.5			5×11	3.5
0.47	R47			5×11	5.0			5×11	5.0
1	10			5×11	10			5×11	10
2.2	2R2			5×11	14			5×11	18
3.3	3R3			5×11	21			5×11	24
4.7	4R7	5×11	21	5×11	24	5×11	27	5×11	27
10	10R	5×11	33	5×11	39	5×11	42	6.3×11	45
22	220	5×11	51	6.3×11	57	6.3×11	69	8×12	78
33	330	5×11	63	6.3×11	75	8×12	84	10×12	102
47	470	6.3×11	84	6.3×11	90	8×12	114	10×17	138
100	101	8×12	138	8×12	150	10×12	180	13×21	240
220	221	10×12	222	10×17	264	10×20	294		
330	331	10×17	294	10×20	398	13×21	408		
470	471	10×20	384	13×21	456				
1000	102								
2200	222								
3300	332								

Permit ripple current : (mArms, 105°C, 120HZ)

Case size: φD×L (mm)