

SL 7mmL低漏电流品 (CD21L型)

● 7MM高度, 良好的低漏电流特性。

Be 7mm in height, extremely low leakage current.

● 适用于高保真前置放大及电视振荡回路。

Used in HI-Fidelity amplifiers and TV oscillation 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~50V DC						
静电容量范围 Nominal capacitance range	0.1μF~220μF						
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
	tgδ(MAX)	0.24	0.20	0.16	0.14	0.12	0.10
低温特性 Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	4	3	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	4	3	3
高温负荷特性 Load Life	After applying rated voltage 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					
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)

	φ D	4	5	6.3	8
	F ± 0.5	1.5	2.0	2.5	3.5
	φ d ± 0.05	0.45		0.50	
	α	1.0			

Multiplier for Ripple Current vs. Frequency:

CAP(μF)\Hz	50(60)	120	1K	≥10K
CAP < 100	0.80	1.00	1.30	1.50
CAP ≥ 100	0.80	1.00	1.15	1.20

Multiplier for Ripple Current vs. Temperature:

Temperature °C	~55	70	85	105
Factor	2.23	2.00	1.75	1.00

SL 7mmL低漏電品 (CD21L型)

■ 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	010								
2.2	2R2								
3.3	3R3								
4.7	4R7								
10	100					4×7	19	5×7	22
22	220	4×7	22	5×7	25	5×7	29	6.3×7	34
33	330	5×7	28	5×7	31	6.3×7	35	6.3×7	42
47	470	5×7	33	6.3×7	39	6.3×7	45	8×7	52
100	101	6.3×7	51	8×7	64	8×7	71		
220	221	8×7	86						

WV(Coad)		35V(1V)		50V(1H)					
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.				
0.1	0R1			4×7	0.8				
0.22	R22			4×7	1.6				
0.33	R33			4×7	2.3				
0.47	R47			4×7	3.3				
1	010			4×7	6.6				
2.2	2R2			4×7	13				
3.3	3R3			4×7	16				
4.7	4R7	4×7	16	5×7	19				
10	100	5×7	24	6.3×7	29				
22	220	6.3×7	38	8×7	43				
33	330	8×7	48						
47	470								
100	101								
220	221								

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

Case size: φD×L (mm)