

ML 5mm低漏电流品 (CD11L型)

● 5MM高度, 良好的低漏电流特性。

Be 5mm 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 ~ +85°C							
额定电压范围 Rated voltage range	4V ~ 50V DC							
静电容量范围 Nominal capacitance range	0.1μF ~ 100μF							
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)	4	6.3	10	16	25	35	50
	tgδ (MAX)	0.35	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)	4	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	7	4	3	2	2	2	2
	Z-40°C/Z+20°C	15	10	8	6	4	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)

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

Multiplier for Ripple Current vs. Frequency:

Frequency (Hz)	50 (60)	120	1K	≥ 10K
Factor	0.80	1.00	1.30	1.50

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)		4V (0G)		6.3V (0J)		10V (1A)		16V (1C)	
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					4×5	17	4×5	23
22	220			4×5	28	5×5	33	5×5	37
33	330	5×5	28	5×5	37	5×5	41	6.3×5	49
47	470	5×5	33	5×5	45	6.3×5	52	6.3×5	58
100	101	6.3×5	56	6.3×5	70				

WV(Coad)		25V (1E)		35V (1V)		50V (1H)			
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.		
0.1	0R1					4×5	1.0		
0.22	R22					4×5	2.0		
0.33	R33					4×5	2.8		
0.47	R47					4×5	4.0		
1	010					4×5	8.4		
2.2	2R2					4×5	13		
3.3	3R3					5×5	17		
4.7	4R7	4×5	16	4×5	18	5×5	20		
10	100	5×5	27	5×5	29	6.3×5	33		
22	220	6.3×5	42	6.3×5	46				
33	330	6.3×5	52						
47	470								
100	101								

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

Case size: φD×L(mm)