

SM 7mmL标准品 (CD11C型)

● 7MM高度,通用标准品。

Be 7mm in height,for general purpose,standard size.

● 适用于汽车音响,盒式收录机,袖珍计算机等电路。

Used in car audio,cassette tape recorders, pocked calcdulator circuits ,etc.



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~63V DC							
静电容量范围 Nominal capacitance range	0.1μF~470μF							
静电容量误差 Capacitance tolerance	±20% (120Hz:20°C)							
漏电流 (20°C) leakage current(20°C)	I≤0.01CV or 3 μ A(whichever is greater) after 2 minute							
	I: Leakage current C: Normnal 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
	tgδ(MAX)	0.24	0.20	0.16	0.14	0.12	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
	Z-25°C/Z+20°C	4	3	2	2	2	2	2
	Z-40°C/Z+20°C	8	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 spectified 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:							
	Capactiance change	Within ±20% of the initial measured value						
	tgδ	≤200% of the initial spectified 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	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.
0.1	0R1								
0.22	R22								
0.33	R33								
0.47	R47								
1	010								
2.2	2R2								
3.3	3R3								
4.7	4R7							4×7	21
10	100			4×7	25	4×7	28	4×7	30
22	220	4×7	34	4×7	35	4×7	40	5×7	50
33	330	4×7	40	4×7	43	4×7	55	5×7	58
47	470	4×7	48	4×7	50	5×7	65	6.3×7	75
100	101	5×7	78	5×7	80	6.3×7	98	8×7	115
220	221	6.3×7	120	6.3×7	130	8×7	150		
330	331	8×7	180	8×7	190				
470	471	8×7	215						

WV(Coad)		35V (1V)		50V (1H)		63V (1J)			
C(uf)	Coad	φD×L	R. C.	φD×L	R. C.	φD×L	R. C.		
0.1	0R1			4×7	1.3	4×7	1.3		
0.22	R22			4×7	3.0	4×7	3.0		
0.33	R33			4×7	3.5	4×7	4.0		
0.47	R47			4×7	6.0	4×7	6.5		
1	010			4×7	10	4×7	12		
2.2	2R2			4×7	15	4×7	16		
3.3	3R3	4×7	18	4×7	19	5×7	24		
4.7	4R7	4×7	22	4×7	24	6.3×7	33		
10	100	4×7	31	5×7	40	6.3×7	45		
22	220	5×7	55	6.3×7	62	8×7	65		
33	330	6.3×7	65	8×7	75				
47	470	8×7	82	8×7	90				
100	101	8×7	118						

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

Case size: φD×L (mm)