

## MT 5mmL宽温度品 (CD11T型)

● 5MM高度, 105℃。

Be 5mm in height, 105℃.

● 适用于移动通讯, 袖珍对讲机, 汽车音响等电路。

Used in locomotive communication, pocketed intercom telephone and car.



### Specifications

项目 Item	特性 Characteristics							
工作温度范围 Operating temperature range	-40℃~+105℃							
额定电压范围 Rated voltage range	4V~50V DC							
静电容量范围 Nominal capacitance range	0.1 μ F~100 μ F							
静电容量误差 Capacitance tolerance	±20% (120Hz:20℃)							
漏电流 (20℃) leakage current(20℃)	I ≤ 0.01CV or 3 μ A (whichever is greater) after 2 minute							
	I: Leakage current C: Normal capacitance V: Rated voltage							
损耗角正切 Dissipation factor (120Hz:20℃)	Rated voltage(V)	4	6.3	10	16	25	35	50
	tgδ(MAX)	0.37	0.28	0.24	0.20	0.16	0.13	0.12
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℃/Z+20℃	6	3	3	2	2	2	2
	Z-40℃/Z+20℃	12	8	5	4	3	3	3
高温负荷特性 Load Life	After applying rated voltage for 1000 hours at 105℃ 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℃ 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	3	4	5	6.3
	F ± 0.5	1.0	1.5	2.0	2.5
	φ d ± 0.05	0.40	0.45		
	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℃	~55	70	85	105
Factor	2.23	2.00	1.75	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	15	4×5	18
22	220	4×5	22	4×5	22	5×5	27	5×5	30
33	330	5×5	30	5×5	30	5×5	35	6.3×5	40
47	470	5×5	36	5×5	36	6.3×5	46	6.3×5	50
100	101	6.3×5	60	6.3×5	60				

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					3(4)×5	0.8(1.0)		
0.22	R22					3(4)×5	1.8(2.0)		
0.33	R33					3(4)×5	3.0(3.2)		
0.47	R47					3(4)×5	3.6(3.8)		
1	010					3(4)×5	6.0(6.2)		
2.2	2R2			4×5	7	4×5	11		
3.3	3R3			4×5	11	4×5	14		
4.7	4R7	4×5	13	4×5	15	5×5	18		
10	100	5×5	23	5×5	25	6.3×5	30		
22	220	6.3×5	38	6.3×5	48				
33	330	6.3×5	48						
47	470								
100	101								

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

Case size: φD×L (mm)