

Aluminum Electrolytic Capacitors

Junzl

MF 5MML 低阻抗品 (CD28M)

● 5mm高度, 低阻抗。

Be5mm in height, Low impedance .

● 适用于DC-DC转换器等需用到小体积和低阻抗的场合。

Used in DC-DC converters where smaller case size and lower impedance are required .



■ 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~35V DC					
静电容量范围 Nominal capacitance range	1μF~100μF					
静电容量误差 Capacitance tolerance	±20% (120Hz·20°C)					
漏电流 (20°C) leakage current(20°C)	I≤0.01CV or 3μA(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
	tgδ(MAX)	0.22	0.20	0.18	0.14	0.12
低温特性 Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	6.3	10	16	25	35
	Z—25°C/Z+20°C	2	2	2	2	2
	Z—40°C/Z+20°C	4	4	3	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
	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	100K
Factor	0.35	0.40	0.75	0.90	1.00

■ Multiplier for Ripple Current vs. Temperature:

Temperature °C	~55	60	70	85	105
Factor	2.23	2.17	2.00	1.75	1.00

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■ Standard Ratings

WV(Coad)		6.3V(0J)			10V(1A)			16V(1C)		
C(uf)	Coad	Φ D×L	R.C.	IMP	Φ D×L	R.C.	IMP	Φ D×L	R.C.	IMP
1	10									
1.5	1R5									
2.2	2R2									
3.3	3R3									
4.7	4R7									
6.8	6R8									
10	100							4×5	50	5.0
15	150							5×5	80	2.6
22	200	4×5	50	5.0	5×5	80	2.6	5×5	80	2.6
33	330	5×5	80	2.6	5×5	80	2.6	6.3×5	115	1.3
47	470	5×5	80	2.6	6.3×5	115	1.3	6.3×5	115	1.3
68	680	6.3×5	115	1.3						
100	101	6.3×5	115	1.3						

WV(Coad)		25V(1E)			35V(1V)					
C(uf)	Coad	Φ D×L	R.C.	IMP	Φ D×L	R.C.	IMP			
1	10				4×5	50	5.0			
1.5	1R5				4×5	50	5.0			
2.2	2R2				4×5	50	5.0			
3.3	3R3				4×5	50	5.0			
4.7	4R7	4×5	50	5.0	4×5	50	5.0			
6.8	6R8	4×5	50	5.0	5×5	80	2.6			
10	100	5×5	80	2.6	5×5	80	2.6			
15	150	6.3×5	115	1.3	6.3×5	115	1.3			
22	220	6.3×5	115	1.3	6.3×5	115	1.3			
33	330	6.3×5	115	1.3						
47	470									
68	680									
100	101									

Permit ripple current : (mA rms, 105°C , 100KHZ);

Case size: Φ D×L (mm)

Permit impedance : (Ω , 20°C , 100KHZ)