

鋁電解電容器

ALUMINUM ELECTROLYTIC CAPACITOR(CD50H MH)

■ MH特性FEATURE

- * 壽命: 105°C 1000小時 Life time:105°C 1000 hours
- 5.5mm高片式品 Chip type with 5.5 mm height
- * 適用於自動表面貼裝技術和高密度電路
Ideally suited for automatic SMT and high density circuits



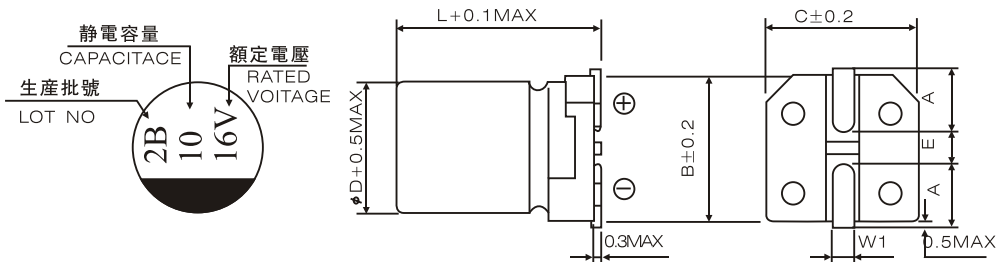
■ 特性表 SPECIFICATIONS

項目Item	主要特性Performance Characteristics						
額定電壓範圍 Rated Voltage Range	6.3V.DC ~ 50V.DC						
使用溫度範圍 Operating Temperature Range	-40°C ~ +105°C						
標稱靜電容量範圍 Nominal Capacitance Range	0.1 μF ~ 100 μF						
靜電容量允許偏差 Capacitance Tolerance	± 20%(M, +20°C, 120Hz)						
漏電流 Leakage Current	施加額定電壓2分鐘: $I \leq 0.01CV$ 或 $3 \mu A$ (取較大者) 20°C After application of rated voltage for 2 minutes: $I \leq 0.01CV$ or $3 \mu A$ (Whichever is greater) 20°C C: 標稱靜電容量 (μF) C: Nominal Capacitance in μF; V: 額定工作電壓 (V) V: Rated Working Voltage in V						
損耗角正切值(tan δ) Dissipation Factor	額定工作電壓(V) Rated Working Voltage	6.3	10	16	25	35	50
	tan δ (MAX) (20°C, 120Hz)	0.30	0.24	0.20	0.16	0.14	0.14
溫度特性 Temperature Stability	額定工作電壓(V) Rated Working Voltage	6.3	10	16	25	35	40
	阻抗比(120Hz) Impedance Ratio	(z-25°C/z+20°C) 4	3	2	2	2	2
		(z-40°C/z+20°C) 8	8	4	4	3	3
高溫負荷特性 Load Life	在+105°C環境中施加額定電壓1000小時後，電容器的性能符合下表要求： After applying rated voltage for 1000 hours at +105°C, Capacitors meet the characteristics requirements measured at +20°C listed below;						
	電容量變化 Capacitance Change	初始測量值的±30%以內 Within ±30% of the initial measured value					
	漏電流 Leakage current	不大于初始規定值 Less than the initial specified value					
	損耗角正切值 Dissipation factor	不大于初始規定值的300% Less than 300% the initial specified value					
高溫貯存特性 Shelf Life	在+105°C環境中無負荷放置500小時後，電容器的性能符合高溫負荷特性中所列的規定值 After leaving capacitors under no load at +105°C for 500 hours, capacitors meet the characteristics listed above						
耐焊接熱試驗 Test of resistance to soldering heat	電容引腳向下放置在一塊金屬板上，在250°C下放置30秒，取出後放置於空氣中到達室溫，測試性能符合下表要求 Capacitors placed on a 250°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.						
	容量變化 ΔC/C	在初始值 ± 10% 範圍內 Within ± 10% of the initial value					
	漏電流 L.C.	不大于初始標準值 < The initial standard					
	損失角正切值 Tan δ	不大于初始標準值 < The initial standard					

* MULTIPLIER FOR RIPPLE CURRENT
* Frequency coefficient

Cap(F)	Freq(Hz)	50(60)	100(120)	500	1K	≥10K
0.1	1	0.50	1.00	1.20	1.30	1.50
2.2	4.7	0.65	1.00	1.20	1.30	1.50
10	47	0.80	1.00	1.20	1.30	1.50
100	220	0.80	1.00	1.10	1.15	1.20

• 外形圖及尺寸表 CASE SIZE TABLE



ϕD	L	C	B	A	W1	E
4	5.5	4.3	4.3	1.8	0.5-0.8	1.0
5	5.5	5.3	5.3	2.1	0.5-0.8	1.4
6	5.5	6.6	6.6	2.5	0.5-0.8	2.0

• MH尺寸、額定電壓及標稱容量
DIMENSIONS, RATED VOLTAGE AND CAPACITANCE

WV(V) Cap(μF)	6.3(LA)		10(LB)		16(LC)		25(LD)		35(LE)		50(LF)	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
0.1(R10)											4 × 5.5	1.0
0.22(R22)											4 × 5.5	2.0
0.33(R33)											4 × 5.5	2.5
0.47(R47)											4 × 5.5	4.0
1(1R0)											4 × 5.5	8.0
2.2(2R2)											4 × 5.5	11
3.3(3R3)											4 × 5.5	13
4.7(4R7)							4 × 5.5	16	4 × 5.5	14	4 × 5.5	18
10(100)					4 × 5.5	20	5 × 5.5	27	5 × 5.5	24	6.3 × 5.5	28
22(220)	4 × 5.5	23	5 × 5.5	27	5 × 5.5	31	6.3 × 5.5	37	6.3 × 5.5	46	6.3 × 5.5	37
33(330)	5 × 5.5	27	5 × 5.5	34	6.3 × 5.5	37	6.3 × 5.5	48				
47(470)	5 × 5.5	37	6.3 × 5.5	56	6.3 × 5.5	56	6.3 × 5.5	56				
100(101)	6.3 × 5.5	57	6.3 × 5.5	70	6.3 × 5.5	71						

→ 最大允許紋波電流 Max allowable ripple current (mA r.m.s./105°C .120Hz)

→ 外形尺寸 Case Size D × L(mm)