鋁電解電容器
ALUMINUM ELECTROLYTIC CAPACITOR(CD11C SC)

■SC 特性 FEATURE

＊壽命: 85℃ 1000小時
Life time:85℃ 1000 hours
＊5mm高超小型品
Super miniature series with 7 mm height
＊適用于高密度裝配
Ideally suited for high-density assembly

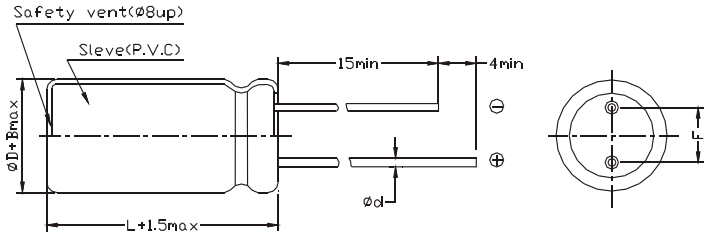
■特性表 SPECIFICATIONS

項目Item	主要特性Performance Characteristics
額定電壓範圍 Rated Voltage Range	4V.DC ~ 63V.DC
使用温度範圍 Operating Temperature Range	-40℃ ~ +85℃
標稱靜電容量範圍 Nominal Capacitance Range	0.1 μF ~ 470 μF
靜電容量允許偏差 Capacitance Tolerance	±20%(M,+20℃,120Hz)
漏電流 Leakage Current	施加額定電壓2分鐘：I≤0.01CV 或 3μA(取較大者)20℃ After application of rated voltage for 2 minutes: I≤0.01CV or 3μA(Whichever is greater)20℃ 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(tanδ) Dissipation Factor	額定工作電壓(V) Rated Working Voltage: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 tanδ (MAX) (20℃,120Hz): 0.35 / 0.24 / 0.20 / 0.16 / 0.14 / 0.12 / 0.10 / 0.10
温度特性 Temperature Stability	額定工作電壓(V) Rated Working Voltage: 4 / 6.3 / 10 / 16 / 25 / 35 / 50 / 63 阻抗比(120Hz) Impedance Ratio(120Hz) (Z-25℃/z+20℃): 7 / 4 / 3 / 3 / 2 (z-40℃/z+20℃): 15 / 10 / 8 / 6 / 4
高温負荷特性 Load Life	在+85℃環境中施加工作電壓和最大允許紋波電流1000小時后，電容器的性能符合下表要求： After applying rated voltage for 1000 hours at +85℃, Capacitors meet the characteristics requirements measured at +20℃ listed below; 靜電容量變化 Capacitance Change: 初始測量值的±25%以内 Within ±25% 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 Tan δ: 不大于初始規定值的200% Less than 200% the initial specified value
高温貯存特性 Shelf Life	在+85℃環境中無負荷放置1000小時后，電容器的性能符合高温負荷特性中所列的規定值 After leaving capacitors under no load at +85℃ for 1000 hours, capacitors meet the characteristics listed above

＊ 紋波倍乘因子MULTIPLIER FOR RIPPLE CURRENT
＊ 頻率因子Frequency coefficient

Freq(Hz) / Cap(μF)	50(60)	100(120)	500	1K	≥10K
0.1 ~ 1.5	0.50	1.00	1.20	1.30	1.50
2.2 ~ 6.8	0.65	1.00	1.20	1.30	1.50
10 ~ 68	0.80	1.00	1.20	1.30	1.50
100 ~ 470	0.80	1.00	1.10	1.15	1.20

• 外形圖及尺寸表 CASE SIZE TABLE



ϕD	4	5	6.3	8
F±0.5	1.5	2.0	2.5	3.5
ϕd±0.1	0.45		0.5	

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

WV(v) / Cap(μF)	4(LO)		6.3(LA)		10(LB)		16(LC)		25(LD)		35(LE)		50(LF)		63(LG)	
	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)	(1)	(2)
0.1(R10)													4×7	1.3	4×7	1.3
0.15(R15)													4×7	1.5	4×7	2.0
0.22(R22)													4×7	3.0	4×7	3.0
0.33(R33)													4×7	4.4	4×7	4.4
0.47(R47)													4×7	5	4×7	6.3
0.68(R68)													4×7	8	4×7	8
1(1R0)													4×7	12	4×7	12
1.5(1R5)													4×7	13	4×7	13
2.2(2R2)													4×7	16	4×7	16
3.3(3R3)											4×7	18	4×7	24	(4×7) 5×7	(19) 24
4.7(4R7)									4×7	21	4×7	22	4×7	27	(4×7) 5×7	(24) 33
6.8(6R8)									4×7	25	4×7	29	5×7	32	(5×7) 6.3×7	(33) 39
10(100)							4×7	28	4×7	31	(4×7) 5×7	(25) 36	5×7	42	(5×7) 6.3×7	(39) 45
15(150)							4×7	34	5×7	41	5×7	45	6.3×7	58	6.3×7	58
22(220)			4×7	34	4×7	38	4×7	42	5×7	55	(5×7) 6.3×7	(45) 60	6.3×7	64	8×7	75
33(330)	4×7	33	4×7	42	4×7	46	(4×7) 5×7	(42) 62	(5×7) 6.3×7	(55) 66	6.3×7	73	8×7	78		
47(470)	4×7	39	4×7	50	(4×7) 5×7	(46) 66	5×7	73	6.3×7	80	6.3×7	84				
68(680)	5×7	45	5×7	60	5×7	70	6.3×7	80	6.3×7	84	8×7	95				
100(101)	5×7	65	5×7	87	(5×7) 6.3×7	(70) 99	6.3×7	110	(6.3×7) 8×7	(84) 115						
150(151)	6.3×7	73	6.3×7	94	6.3×7	105	8×7	120	8×7	145						
220(221)	6.3×7	110	6.3×7	133	(6.3×7) 8×7	(105) 165	8×7	145								
330(331)	8×7	165	8×7	180	8×7	210										
470(471)	8×7	190	8×7	200												

→ 最大允許紋波電流 Max allowable ripple current (mA r.m.s./85℃.120Hz)

→ 外形尺寸 Case Size D × L(mm)

*括號内尺寸爲非常規品，需特別做
The size in parenthesis is not normal, must be produced specially.