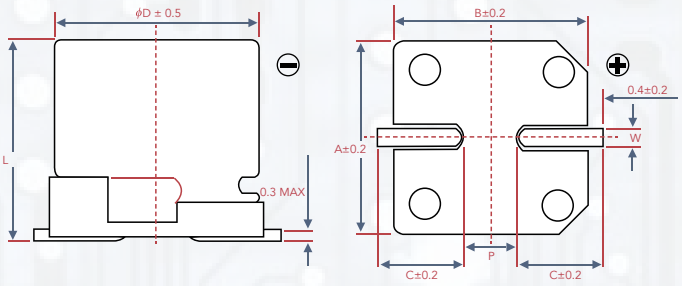
SMD ALUMINUM ELECTROLYTIC CAPACITORS
- CVC SERIES -

FEATURES

- 4ϕ~6.3ϕ, 85°C, 2,000 hours assured
- Vertical chip type miniaturized for 5.5mm high capacitors
- Low Leakage Current Lead free reflow soldering is available
- Designed for surface mounting on high density PC board
- RoHS Compliance

CONSTRUCTION AND DIMENSIONS



LEAD SPACING AND DIAMETER

UNIT : MM

ϕD	L	A	B	C	W	P
4	5.3±0.2	4.3	4.3	2.0	0.5 to 0.8	1.0
5	5.3±0.2	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.3±0.2	6.6	6.6	2.7	0.5 to 0.8	2.0

SPECIFICATIONS

ITEMS	PERFORMANCE
Operating Temperature Range	-40°C ~ +85°C
Capacitance Tolerance	±20% (at 120Hz, 20°C)
Leakage Current (at 20°C)	I= 0.002CV or 0.5 (μA) whichever is greater (after 2 minutes) Where, C= rated capacitance in μF. V = rated DC working voltage in V.
Dissipation Factor (Tan δ at 120Hz, 20°C)	RATED VOLTAGE: 6.3 / 10 / 16 / 25 / 35 / 50 TAN δ (MAX): 0.28 / 0.24 / 0.20 / 0.14 / 0.12 / 0.10
Low Temperature Characteristics (at 120Hz)	Impedance ratio shall not exceed the values given in the table below. RATED VOLTAGE: 6.3 / 10 / 16 / 25 / 35 / 50 IMPEDANCE RATIO Z(-25°C) / Z(+20°C): 3 / 3 / 2 / 2 / 2 / 2 IMPEDANCE RATIO Z(-40°C) / Z(+20°C): 8 / 5 / 4 / 3 / 3 / 3
Load Life Test	TEST TIME: 2,000 Hrs CAPACITANCE CHANGE: Within ±20% of initial value DISSIPATION FACTOR: Less than 200% of specified value LEAKAGE CURRENT: Within specified value *The above specifications shall be satified when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hrs at 85°C.
Shelf Life Test	Test time; 1,000 hrs; other items are the same as those for the load life test
Ripple Current & Frequency Multipliers	FREQUENCY (Hz) / V.DC(V): 50 / 120 / 1K / 10K up Under 16: 0.8 / 1.0 / 1.15 / 1.25 25~35: 0.8 / 1.0 / 1.25 / 1.40 50: 0.8 / 1.0 / 1.35 / 1.50
Other Standards	JIS C 5101-1, -18

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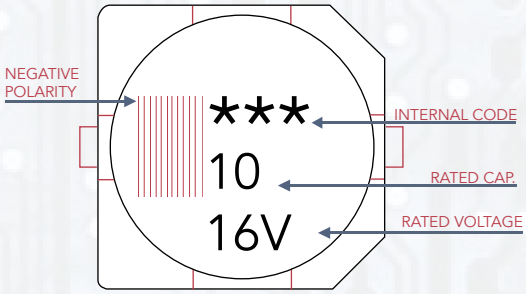
PART NUMBERS

CVC	1C	100	M	D55	R
SERIES NAME	RATED VOLTAGE	CAPACITANCE	TOLERANCE	CASE SIZE	PACKAGE TYPE
Series is represented by a three/four digit code	OG - 4V OJ - 6.3V 1A - 10V 1C - 16V 1E - 25V 1V - 35V 1H - 50V 1J - 63V 1K - 80V 2A - 100V 2C - 160V 2D - 200V 2E - 250V 2G - 400V 2W - 450V	4R7 - 4.7µF 100 - 10µF 471 - 470µF 102 - 1000µF	M: -20% ~+20% K: -10% ~+10% J: -5% ~+5%	B55 - 3x5.3 D55 - 4x5.3 D60 - 4x5.7 E55 - 5x5.3 E60 - 5x5.7 F55 - 6.3x5.3 F60 - 6.3x5.7 F62 - 6.3x6.0 F72 - 6.3x7.0 F80 - 6.3x7.7 G68 - 8x6.5 G72 - 8x7.0 G10 - 8x10.0 G12 - 8x12.0 H82 - 10x8.0 H10 - 10x10.0 H13 - 10x13.0 K14 - 12.5x13.5 K16- 12.5x16.0 L17 - 16x16.5	R - Taping polarity with reel package in 380mm

MARKING



DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC / CONTENTS µF		6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
		ϕDxL	mA	ϕDxL	mA	ϕDxL	mA	ϕDxL	mA	ϕDxL	mA	ϕDxL	mA
0.1	0R1											4x5.3	3
0.22	R22											4x5.3	5
0.33	R33											4x5.3	6
.47	R47											4x5.3	7
1	1R0											4x5.3	10
2.2	2R2											4x5.3	15
3.3	3R3											4x5.3	19
4.7	4R7							4x5.3	19	4x5.3	20	5x5.3	26
10	100			4x5.3	23	4x5.3	26	5x5.3	32	5x5.3	34	6.3x5.3	44
22	220	4x5.3	31	5x5.3	39	5x5.3	44	6x5.3	55	6.3x5.3	59		
33	330	5x5.3	44	5x5.3	48	6.3x5.3	63	6x5.3	67				
47	470	5x5.3	52	6.3x5.3	67	6.3x5.3	75						
100	101	6.3x5.3	89	6.3x5.3	98								

RoHS