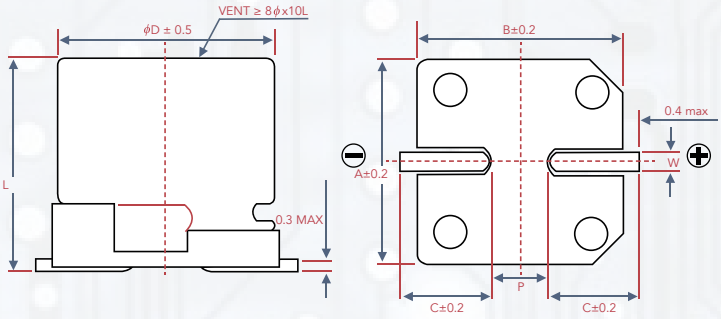
SMD ALUMINUM ELECTROLYTIC CAPACITORS
- CVI SERIES -

FEATURES

- 5ϕ~8ϕ, 105°C, 2,000 hours assured
- Low impedance 30~50% less than CVH series
- Designed for surface mounting on high density PC board
- RoHS Compliance

CONSTRUCTION AND DIMENSIONS

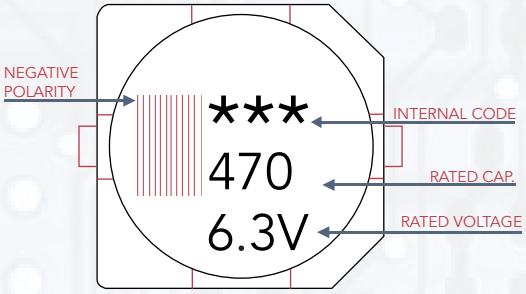


LEAD SPACING AND DIAMETER

UNIT : MM

ϕD	L	A	B	C	W	P±0.2
5	5.7±0.3	5.3	5.3	6.1	0.5~0.8	1.5
6.3	5.7±0.3	6.6	6.6	7.4	0.5~0.8	2.0
8	10±0.5	8.4	8.4	9.2	0.7~1.1	3.1

MARKING



PART NUMBER

CVI	1C	101	M	E60	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	220 - 22µF 101 - 100µF	V: -10% ~+20% 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

SPECIFICATIONS

ITEMS	PERFORMANCE
Category Temperature Range	-55°C ~ +105°C
Capacitance Tolerance	±20% (at 120Hz, 20°C)
Leakage Current (at 20°C)	I=0.01CV or 3 (μA) whichever is greater (after 2 minutes) Where, C = rated capacitance in μF, V= rated DC working voltage in V
Tan δ at 120Hz, 20°C	RATED VOLTAGE: 6.3 / 10 / 16 / 25 / 35 TAN δ (MAX): 0.30 / 0.26 / 0.22 / 0.16 / 0.13
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 IMPEDANCE RATIO Z(-25°C) / Z(+20°C): 4 / 3 / 2 / 2 / 2 IMPEDANCE RATIO Z(-55°C) / Z(+20°C): 8 / 5 / 4 / 3 / 3
Endurance	TEST TIME: 2,000 Hrs CAPACITANCE CHANGE: Within ±30% of initial value DISSIPATION FACTOR: Less than 300% 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 2,000hrs at 105°C.
Shelf Life Test	Test time: 1,000 hours; other items are the same as those for the Endurance
Ripple Current & Frequency Multipliers	FREQUENCY (Hz): 50, 60 / 120 / 1K / 10K up MULTIPLIER: 0.60 / 0.70 / 0.85 / 1.0

DIMENSION & PERMISSIBLE RIPPLE CURRENT

V.DC / CONTENTS μF		6.3V (0J)			10V (1A)			16V (1C)			25V (1E)			35V (1V)		
		ϕDxL	IMP.	mA.	ϕDxL	IMP.	mA.	ϕDxL	IMP.	mA.	ϕDxL	IMP.	mA.	ϕDxL	IMP.	mA.
22	220							5x5.7	0.36	240	5x5.7	0.36	240	5x5.7	0.36	240
33	330				5x5.7	0.36	240				5x5.7 6.3x5.7	0.36 0.26	240 300	5x5.7 6.3x5.7	0.36 0.26	240 300
47	470	5x5.7	0.36	240				5x5.7 6.3x5.7	0.36 0.26	240 300	5x5.7 6.3x5.7	0.36 0.26	240 300	6.3x5.7	0.26	300
68	680							5x5.7 6.3x5.7	0.36 0.26	240 300	6.3x5.7	0.26	300	6.3x5.7	0.26	300
100	101	5x5.7 6.3x5.7	0.36 0.26	240 300	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x5.7	0.26	300	8x10	0.08	850
150	151	5x5.7	0.36	240	6.3x5.7	0.26	300	6.3x5.7	0.26	300	8x10	0.08	850	8x10	0.08	850
220	221	6.3x5.7	0.26	300	6.3x5.7	0.26	300	8x10	0.08	850	8x10	0.08	850	8x10	0.08	850
330	331	6.3x5.7	0.26	300	8x10	0.08	850	8x10	0.08	850	8x10	0.08	850			
470	471	8x10	0.16	850	8x10	0.16	850	8x10	0.16	850						
680	681	8x10	0.16	850	8x10	0.16	850									

RoHS