SANYO

CV-AX Series

Surface Mount Type Low impedance at high frequency

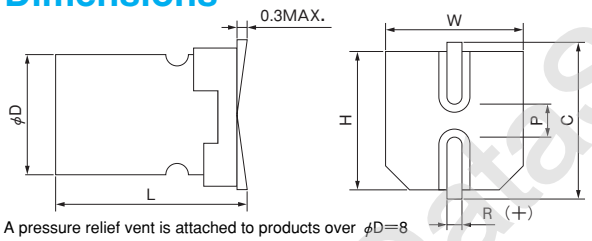
CV-AX series is low impedance.
CV-AX series contributes toward miniaturization of any products.
Solvent proof (within 2 minutes).

Specifications

Items		Specifications					
Rated voltage (V)		6.3	10	16	25	35	50
Operating temperature range (℃)		−55 to +105					
Capacitance tolerance (%)		±20 (120Hz/20℃)					
Tangent of loss angle (tan δ) (MAX.) (120Hz/20℃)	φ4 to φ6.3	0.24	0.20	0.16	0.14	0.12	0.12
	φ8 to φ16	0.28	0.24	0.20	0.16	0.14	0.14
		When nominal capacitance exceeds 1000 μF, add 0.02 to the value above for each 1000 μF increase.					
Leakage current (L.C.) (μA/after 2min.) (MAX.)		The greater value of either 0.01CV or 3					
Impedance (120Hz) ratio at low temperature (MAX.)	Z−40℃/Z20℃	3	2	2	2	2	2
	Z−55℃/Z20℃	5	4	4	3	3	3
High-temperature load 105℃ rated voltage applied	Test time	2000hrs. (φD ≤ 6.3, φ10×7.7 : 1000hrs.)					
	△C/C	Within ±25% of the initial value					
	tan δ	≤ Twice the initial standard					
	L.C.	≤ The initial standard					
Resistance to soldering heat	Test	Capacitors placed on a 250℃ hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.					
	△C/C	Within ±10% of the initial value					
	tan δ	≤ The initial standard					
	L.C.	≤ The initial standard					

Dimensions

(Unit : mm)



A pressure relief vent is attached to products over φD=8

D+0.5MAX.	L ±0.3	W ±0.2	H ±0.2	C ±0.2	R	P ±0.2
4	6.0	4.3	4.3	5.0	0.5 to 0.8	1.0
5	6.0	5.3	5.3	6.0	0.5 to 0.8	1.4
6.3	6.0	6.6	6.6	7.3	0.5 to 0.8	2.2
6.3	7.7	6.6	6.6	7.3	0.5 to 0.8	2.2
8	10.2	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7	10.3	10.3	11.0	1.1 to 1.4	4.6
10	10.2	10.3	10.3	11.0	1.1 to 1.4	4.6
12.5	13.5 ±0.5	12.8	12.8	13.5	1.1 to 1.4	4.6
16	16.5 ±0.5	16.3	16.3	17.0	1.8 to 2.1	7.0

Size List

μF \ V	6.3	10	16	25	35	50
4.7					4×6.0 1.80 80	4×6.0 2.90 60
10				4×6.0 1.80 80	5×6.0 0.76 150	6.3×6.0 0.88 165
15			4×6.0 1.80 80	5×6.0 0.76 150	5×6.0 0.76 150	
22		4×6.0 1.80 80	5×6.0 0.76 150	5×6.0 0.76 150	5×6.0 0.76 150	6.3×6.0 0.88 165
27	4×6.0 1.80 80					
33	→	5×6.0 0.76 150	→	6.3×6.0 0.44 230	6.3×6.0 0.44 230	6.3×7.7 0.68 195
47	5×6.0 0.76 150	→	6.3×6.0 0.44 230	6.3×6.0 0.44 230	6.3×6.0 0.44 230	6.3×7.7 0.68 195
56	5×6.0 0.76 150			6.3×6.0 0.44 230		
68	→	6.3×6.0 0.44 230	6.3×6.0 0.44 230	6.3×6.0 0.44 230	6.3×7.7 0.34 280	
100	6.3×6.0 0.44 230	→	6.3×6.0 0.44 230	6.3×7.7 0.34 280	8×10.2 0.17 450	8×10.2 0.39 300
150	6.3×6.0 0.44 230	6.3×6.0 0.44 230	6.3×7.7 0.34 280	8×10.2 0.17 450	8×10.2 0.17 450	10×10.2 0.21 450
				→	10×7.7 0.17 450	
220	6.3×6.0 0.44 230	6.3×7.7 0.34 280	6.3×7.7 0.34 280	8×10.2 0.17 450	8×10.2 0.17 450	10×10.2 0.21 450
				10×7.7 0.17 450		
330	6.3×7.7 0.34 280	8×10.2 0.17 450	8×10.2 0.17 450	8×10.2 0.17 450	10×10.2 0.09 670	12.5×13.5 0.14 620
		→	10×7.7 0.17 450			
390						12.5×13.5 0.14 620
470	8×10.2 0.17 450	8×10.2 0.17 450	8×10.2 0.17 450	10×10.2 0.09 670	12.5×13.5 0.066 900	
		10×7.7 0.17 450				
680	8×10.2 0.17 450	→	10×10.2 0.09 670		12.5×13.5 0.066 900	
	10×7.7 0.17 450					
1000	8×10.2 0.17 450	10×10.2 0.09 670		12.5×13.5 0.066 900		16×16.5 0.078 790
1500	10×10.2 0.09 670		12.5×13.5 0.066 900		16×16.5 0.052 1250	
2200		12.5×13.5 0.066 900		16×16.5 0.052 1250		
3300	12.5×13.5 0.066 900		16×16.5 0.052 1250			
4700		16×16.5 0.052 1250				
6800	16×16.5 0.052 1250					

→Use next higher voltage product.

10×7.7 ; CV-AXA series

Model No. 16CV470AX
- Capacitance symbol
- Rated voltage

10CV470AXA
- Capacitance symbol
- Rated voltage

φD×Lmm

Ripple current mA r.m.s. (100kHz, 105℃)

Impedance (Ω) MAX. at 100kHz, 20℃