

Surface Mount Type Low impedance at high frequency (solvent proof)

CV-GX/AX Series

CV-GX/AX series reduced high frequency impedance to 70% and increased maximum permissible ripple current as compared with CV-GS series.

CV-GX/AX series contributes toward miniaturization of any products.

Solvent proof (within 2 minutes).

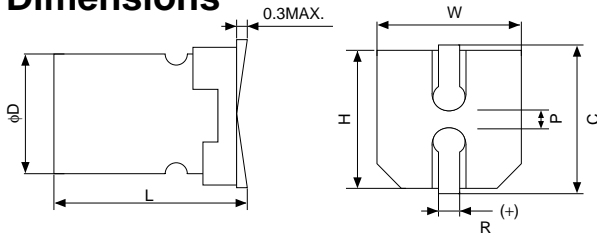


Specifications

CV-GX/AX ← Low Z Extended Cap. CV-GS

Items		Specifications				
Rated voltage (V)		6.3	10	16	25	35
Operating temperature range (°C)		-55 to +105				
Capacitance tolerance (%)		±20 (120Hz)				
Tangent of loss angle (tan δ)(MAX.)(120Hz)	φ4 to φ6.3	0.24	0.20	0.16	0.14	0.12
	φ8 to φ12.5	0.28	0.24	0.20	0.16	0.14
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°C} /Z _{20°C}	3	2	2	2	2
	Z _{-55°C} /Z _{20°C}	5	4	4	3	3
High-temperature load 105°C φD≤10 1000hrs. φD=12.5 2000hrs. rated voltage applied.	ΔC/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°C hot plate for 30 seconds with their electrode terminals facing downward will fulfill the following conditions after being cooled to room temperature.				
	ΔC/C	Within ±10% of the initial value				
	tan δ	≤ The initial standard				
	L.C.	≤ The initial standard				
Other characteristics		Conform to IEC 384-18				

Dimensions



(unit : mm)

D ^{+0.5MAX.}	L ^{+0.3MAX.}	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	10.5	8.3	8.3	9.0	0.7 to 1.0	3.2
10	7.7	10.3	10.3	11.0	0.7 to 1.0	4.6
10	10.5	10.3	10.3	11.0	0.7 to 1.0	4.6
12.5	13.5 ^{+0.5MAX.}	12.8	12.8	13.5	0.7 to 1.0	4.6

Size List

μF \ V	6.3			10			16			25			35					
4.7													4×6.0	1.80	80			
10									4×6.0	1.80	80	5×6.0	0.76	150	5×6.0	0.76	150	
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	
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		
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	
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	6.3×6.0	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						
150	6.3×6.0	0.44	230	6.3×6.0	0.44	230	6.3×7.7	0.34	280	8×10.5	0.17	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	8×10.5	0.17	450	8×10.5	0.17	450			
330	6.3×7.7	0.34	280	8×10.5	0.17	450	8×10.5	0.17	450	8×10.5	0.17	450	8×10.5	0.17	450			
470	8×10.5	0.17	450	8×10.5	0.17	450	8×10.5	0.17	450	10×10.5	0.09	670	12.5×13.5	0.066	900			
				10×7.7	0.17	450												
680							10×10.5	0.09	670				12.5×13.5	0.066	900			
	10×7.7	0.17	450															
1000	8×10.5	0.17	450	10×10.5	0.09	670						12.5×13.5	0.066	900				
1500	10×10.5	0.09	670				12.5×13.5	0.066	900									
2200				12.5×13.5	0.066	900												
3300	12.5×13.5	0.066	900															

Model No. 16CV470GX

nominal capacitance (μF)
rated voltage (V)

10CV470AXA

(μF)
(V)

φD×L 10×7.7 ; GX/AXA series

Impedance (Ω) MAX. at 100kHz, 20°C
Ripple current mA r.m.s.
(100kHz, 105°C)