

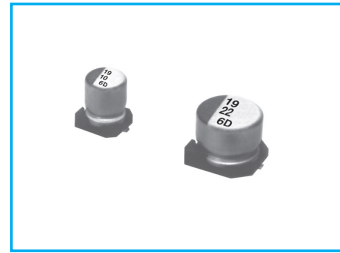
# SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS

Upgrade

**CD**

Chip type, Extremely Low Impedance Series

**IZI** Low Impedance **S** Solvent Proof



- Chip type, low impedance temperature range up to 105°C
- Designed for surface mounting on high density PC board
- Applicable to automatic insertion machine using carrier tape
- Complied to the RoHS directive

CK → **CD**  
Low Imp.

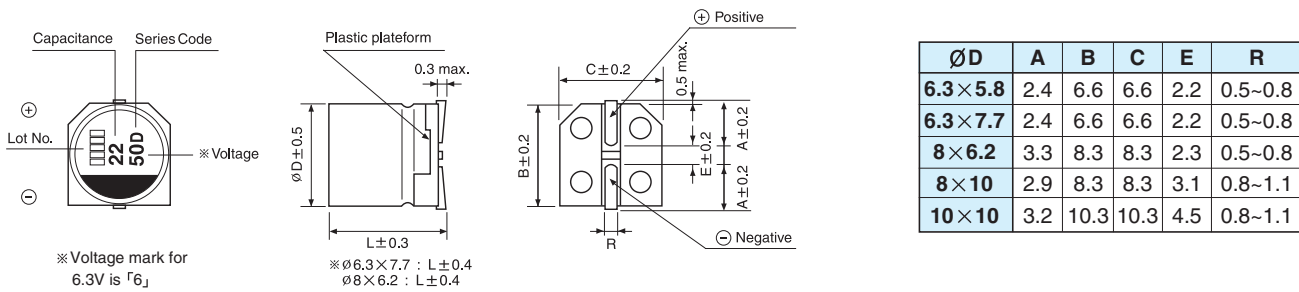
Item	Characteristics						
Operating temperature range	-55 ~ +105°C						
Leakage current max.	I = 0.01CV or 3μA whichever is greater (after 2 minutes)						
Capacitance tolerance	±20% at 120Hz, 20°C						
Dissipation factor max. (at 120Hz, 20°C)	WV	6.3	10	16	25	35	50
	tanδ	0.24	0.19	0.16	0.14	0.12	0.12
Low temperature characteristics (Impedance ratio at 120Hz)	WV	6.3	10	16	25	35	50
	Z-25°C/Z+20°C	2	2	2	2	2	2
	Z-55°C/Z+20°C	3	3	3	3	3	3
Load life (after application of the rated voltage for 2000 hours at 105°C)	Leakage current	Less than specified value					
	Capacitance change	Within ±25% of initial value					
	tanδ	Less than 200% of specified value					
Shelf life (at 105°C)	After 1000 hours no load test, leakage current, capacitance and tanδ are same as load life value. The measurement shall be performed at 20°C by the KS C IEC 60384 - 4						
Resistance to soldering heat	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them at 250°C for 10 seconds.						
	Leakage current	Less than specified value					
	Capacitance change	Within ±10% of initial value					
	tanδ	Less than specified value					

## ● DRAWING

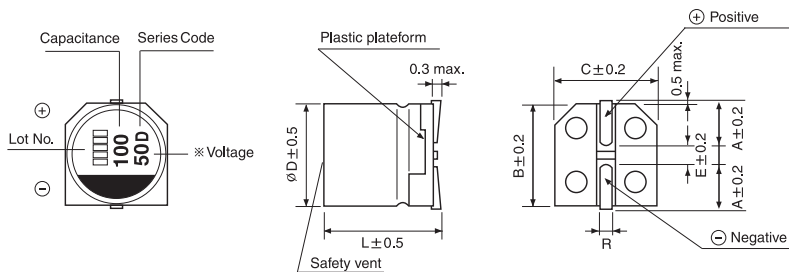
Unit : mm

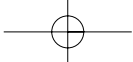
-Series code of CD is "D"

(∅6.3×5.8, 7.7, ∅8×6.2)



(∅8×10, ∅10×10)





# SURFACE MOUNT ALUMINUM ELECTROLYTIC CAPACITORS



## CD series

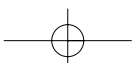
### ● DIMENSIONS & MAXIMUM PERMISSIBLE RIPPLE CURRENT

$\mu$ F \ WV	6.3			10			16			25			35			50		
10																6.3×5.8	0.92	170
15																6.3×5.8	0.79	170
22																6.3×5.8	0.79	170
33							6.3×5.8	0.40	240	6.3×5.8	0.40	240	6.3×5.8	0.40	240	6.3×7.7	0.61	280
																8×6.2	0.58	300
47				6.3×5.8	0.40	240	6.3×5.8	0.40	240	6.3×5.8	0.40	240	6.3×5.8	0.40	240	6.3×7.7	0.61	280
																8×6.2	0.58	300
68	6.3×5.8	0.40	240	6.3×5.8	0.36	240	6.3×5.8	0.36	240	6.3×5.8	0.36	240	6.3×7.7	0.29	290	8×10	0.29	350
100	6.3×5.8	0.40	240	6.3×5.8	0.36	240	6.3×5.8	0.36	240	6.3×7.7	0.29	290	8×10	0.15	600	10×10	0.18	700
										8×6.2	0.24	300						
150	6.3×5.8	0.40	240	6.3×5.8	0.36	240	6.3×7.7	0.29	290	8×10	0.15	600	8×10	0.15	600			
220	6.3×5.8	0.40	240	6.3×7.7	0.33	290	6.3×7.7	0.29	290	8×10	0.15	600	10×10	0.09	850			
				8×6.2	0.24	300	8×6.2	0.24	300									
330	6.3×7.7	0.29	290	8×10	0.15	600	8×10	0.15	600	10×10	0.09	850						
	8×6.2	0.24	300															
470	8×10	0.15	600	8×10	0.15	600	10×10	0.07	850	← Ripple current (mA rms) at 105°C, 100kHz								
680	8×10	0.15	600	10×10	0.07	850	↑ Impedance (Ω) at 20°C, 100kHz											
1000	10×10	0.07	850	↑ Case size ØD x L (mm)														
1500	10×10	0.07	850															

CHIP TYPES

### ● FREQUENCY COEFFICIENT OF PERMISSIBLE RIPPLE CURRENT

Frequency	50Hz	120Hz	300Hz	1kHz	10kHz $\leq$
Coefficient	0.35	0.5	0.64	0.83	1.00



## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Samwha manufacturer](#):*

Other Similar products are found below :

[BK2D685M1012MBB](#) [BK2E336M12025BB](#) [BK2G105M1012MBB](#) [BK2G155M1012MBB](#) [BK2G226M12020BB](#) [BK2G335M10016BB](#)  
[BK2G475M10016BB](#) [BK2V226M12025BB](#) [BL2G226M12025BB](#) [BL2W475M10016BB](#) [CA1C476M6L006VR](#) [CA1E337M10010VR](#)  
[CA1V227M10010VR](#) [CD1E476M6L006VR](#) [CD1H476M6L07KVR](#) [CD1V227M08010VR](#) [CE-1000/63PHT](#) [CK0J107M05005VR](#)  
[CK0J107M6L006VR](#) [CK1A107M6L005VR](#) [CK1H107M08010VR](#) [CK1H227M10010VR](#) [CK1V106M04005VR](#) [CK1V227M08010VR](#)  
[CK1V476M6L006VR200](#) [CM0J227M6L006VR](#) [CM1C107M6L006VR](#) [CM1C227M0806BVR](#) [CM1H106M6L006VR](#) [CM1V476M6L006VR](#)  
[CPI2012NHL2R2MT](#) [CPI2520NHL100ME](#) [CQ1608C0G221J500NRB](#) [CQ1608X7R104K250NRB](#) [CQ1608X7R104K500NRB](#)  
[CQ2012X7R104K101ARE](#) [CQ2012X7S105K160NRE](#) [CQ2012X7S106K160NRE](#) [CQ2012X7T225K500ARE](#) [CQ3216X7R475K500NRI](#)  
[CQ3225X7R106K500NRL](#) [CQ3225X7R225K101ARK](#) [CQ3225X7R225K101NRL](#) [CQ3225X7R475K101NRK](#) [CS1005X5R105K250NR](#)  
[CS1005X5R105K6R3NR](#) [CS1005X5R224K100NR](#) [CS1005X5R334K100NR](#) [CS1005X5R334K6R3NR](#) [CS1005X5R474K100NR](#)