

SX (CD11X)

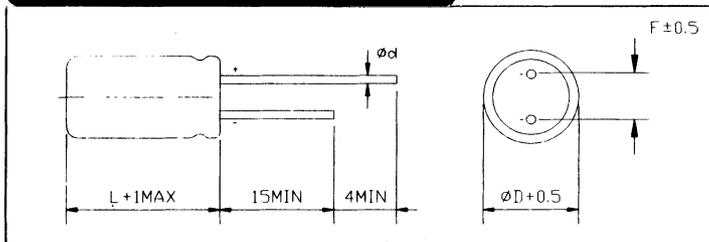
- 7mm
7mmL, for general purpose, standard size
- VCD、DVD、
Used in car audio, VCD, DVD, air conditioners circuits, etc.

Specifications

Item	Performance Characteristics																								
Operating temperature range	-40 ~ 105°C																								
Rated voltage range	6.3 ~ 63 V																								
Nominal capacitance range	0.1 ~ 470µF																								
Capacitance tolerance	± 20% (100Hz, +20°C)																								
Leakage current	$I \leq 0.01CV$ or $3(\mu A)$ 1 (1 minute) (whichever is greater)																								
($tg \delta$) Dissipation factor (+20°C, 100Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>$tg \delta$</td> <td>0.24</td> <td>0.20</td> <td>0.16</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> <td>0.10</td> </tr> </tbody> </table>	U_R (V)	6.3	10	16	25	35	50	63	$tg \delta$	0.24	0.20	0.16	0.14	0.12	0.10	0.10								
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$tg \delta$	0.24	0.20	0.16	0.14	0.12	0.10	0.10																		
Temperature characteristics (Impedance ratio at 100Hz)	<table border="1"> <thead> <tr> <th>U_R (V)</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> <th>63</th> </tr> </thead> <tbody> <tr> <td>Z-25°C / +20°C</td> <td>4</td> <td>3</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> <td>2</td> </tr> <tr> <td>Z-40°C / +20°C</td> <td>8</td> <td>6</td> <td>4</td> <td>4</td> <td>3</td> <td>3</td> <td>3</td> </tr> </tbody> </table>	U_R (V)	6.3	10	16	25	35	50	63	Z-25°C / +20°C	4	3	2	2	2	2	2	Z-40°C / +20°C	8	6	4	4	3	3	3
U_R (V)	6.3	10	16	25	35	50	63																		
Z-25°C / +20°C	4	3	2	2	2	2	2																		
Z-40°C / +20°C	8	6	4	4	3	3	3																		
Load life	After applying rated voltage for 1000 hours at +85°C and then resumed 16 hours: Capacitance change : ±20% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2 Initial specified value																								
Shelf life	After storage for 500 hours at +85°C and then resumed 16 hours Capacitance change : ±20% Initial measured value Leakage current : ≤ 2 Initial specified value Dissipation factor : ≤ 2 Initial specified value																								

Case size table

Unit: mm



D	4	5	6	8
F	1.5	2.0	2.5	3.5
d	0.45		0.5	

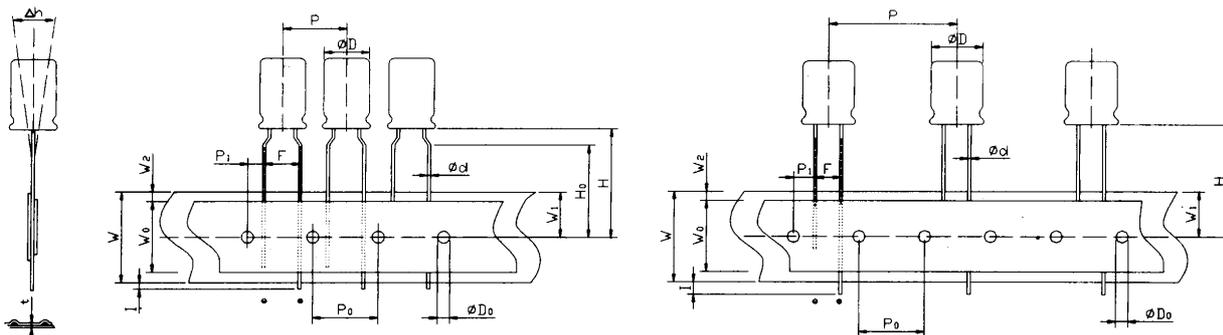
DIMENSIONS

ØD × L(mm)

C_R (µF)	Code	6.3V		10V		16V		25V		35V		50V		63V	
		0J		1A		1C		1E		1V		1H		1J	
0.1	0R1											4×7	0.8		
0.22	R22											4×7	2.0		
0.33	R33											4×7	3.0		
0.47	R47											4×7	4.0		
1	010											4×7	8.5	4×7	11
2.2	2R2									4×7	13	4×7	14	4×7	16
3.3	3R3							4×7	13	4×7	16	4×7	17	5×7	20
4.7	4R7					4×7	16	4×7	16	4×7	19	4×7	22	5×7	26
10	100			4×7	21	4×7	24	4×7	19	5×7	29	5×7	34	6×7	40
22	220	4×7	29	4×7	33	4×7	37	5×7	29	6×7	45	6×7	53		
33	330	4×7	37	4×7	41	5×7	48	5×7	45	6×7	59				
47	470	4×7	44	4×7	51	5×7	57	6×7	59						
100	101	5×7	68	5×7	75	6×7	89	8×7	95						
220	221	6×7	101	6×7	118	8×7	120								
330	331	8×7	132	8×7	135										
470	471	8×7	144	8×7	150										

Rated ripple current(mA,+85°C,100Hz)

Taping of Aluminum Electrolytic Capacitor and size (Standard products)



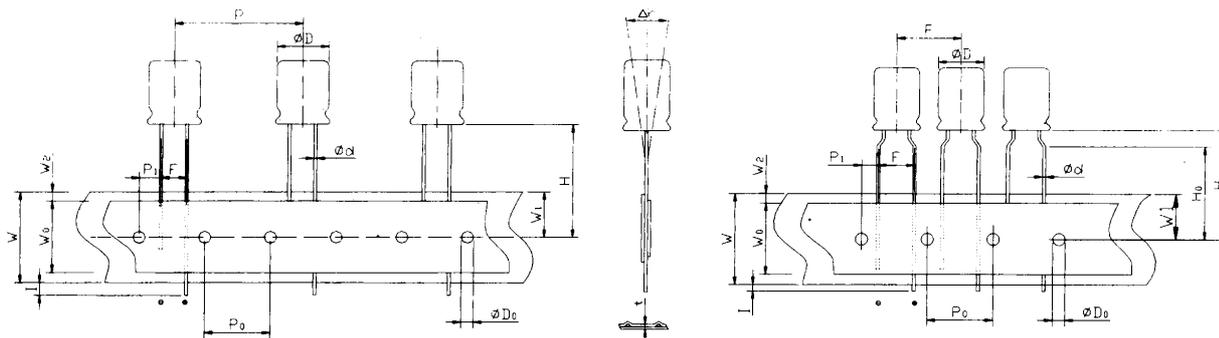
Size table

Code	Tol.	Case diameter						Notes
		Ø5	Ø6(Ø6.3)	Ø8	Ø10	Ø12	13	
d	±0.1	0.5			0.6			0.8
P	±1.0	12.7			25.4	15.0	30.0	
P ₀	±0.2	12.7			15.0		30.0	
P ₁	±0.5	3.85(5.35)	3.85(5.1)	3.85(4.6)	3.85		5.0	3.75
F	+0.8 -0.2	5.0(2.0)	5.0(2.5)	5.0(3.5)	5.0		7.5	
W	±0.5	18.0						
W ₁	±0.5	9.0						
W ₂		≤3			≤1.5			
W ₀		≥12						
H	±0.75	18.5						
H ₀	±0.5	16						
D ₀	±0.2	Ø4.0						
l		≤1.0						
t	±0.2	0.6			0.7			
Δh		≤2.0						Off alignment of body top

Packaging Specification

Parts diameter (mm)	Ammunition	Reel	Ammunition packing dimensions (mm)
	Quantity/Box(pcs)	Quantity/Box(pcs)	
Ø5	2000	1000	336 × 282 × 45
Ø6	2000	800	336 × 282 × 45
Ø8	1000	500	327 × 242 × 50
Ø10	500	400	330 × 184 × 55

Taping of Aluminum Electrolytic Capacitor and size (Standard products)



Size table

Code	Tol.	Case diameter					Notes
		Ø3	Ø4	Ø5	Ø6	Ø8	
d	±0.1	0.4	0.45			0.5	
P	±1.0	12.7					
P ₀	±0.2	12.7					
P ₁	±0.5	5.1(3.85)				3.85	
F	+0.8 -0.2	2.5(5.0)				5.0	
W	±0.5	18.0					
W ₁	±0.5	9.0					
W ₂		≤3					
W ₀		≥7.0					
H	±0.75	18.5					
H ₀	±0.5	16					
D ₀	±0.2	Ø4.0					
l		≤1.0					
t	±0.2	0.6					
Δh		≤2.0					off alignment of body top

Packaging Specification

Parts diameter (mm)	Ammunition	Reel	Ammunition packing dimensions (mm)
	Quantity/Box(pcs)	Quantity/Box(pcs)	
Ø4 × 5	2000	1500	327 × 235 × 46
Ø4 × 7			328 × 183 × 41
Ø5 × 5	2000	1200	327 × 235 × 46
Ø5 × 7			328 × 183 × 41
Ø6 × 5	2000	1000	327 × 235 × 46
Ø6 × 7			328 × 183 × 41
Ø8 × 5	1000	800	327 × 235 × 46
Ø8 × 7			328 × 183 × 41