

SX (CD11X/CD11C)

- ◎ 7(9) mmL, for general purpose, standard size
- ◎ Used in car audio, VCD, DVD, air conditioners circuits remote device, etc.
- ◎ Adapted to the ROHS directive (2002/95/EC).

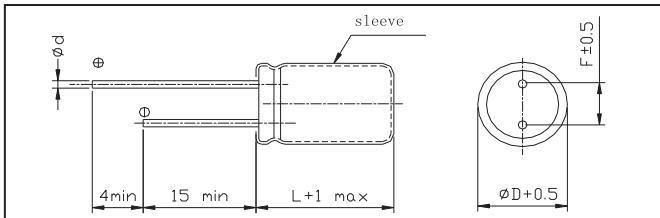


Specifications

Item	Performance Characteristics																								
Operating temperature range	-40°C ~ +85°C																								
Rated voltage range	6.3 ~ 63 V																								
Nominal capacitance range	0.1 ~ 470 μF																								
Capacitance tolerance	± 20% (120Hz, +20°C)																								
Leakage current	$I \leq 0.01CV$ or $3(\mu A)^2$ (at 20°C, after 2 minutes) (whichever is greater)																								
Dissipation factor (+20°C, 120Hz) (tg δ)	<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 δ</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 δ	0.24	0.20	0.16	0.14	0.12	0.10	0.10								
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Load life	After applying rated voltage for 1000 hours at +85°C and then resumed 16 hours: Capacitance change : ±25% Initial measured value Leakage current : ≤ Initial specified value Dissipation factor : ≤ 2 times Initial specified value																								
Shelf life	After storage for 1000 hours at +105°C and then resumed 16 hours Capacitance change : ±25% Initial measured value Leakage current : ≤ 2 times Initial specified value Dissipation factor : ≤ 2 times 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

$C_R(\mu F)$	U_R Code	6.3V	10V	16V	25V	35V	50V	63V
		0J	1A	1C	1E	1V	1H	1J
0.1	0R1						4x7	0.8
0.22	R22						4x7	2.0
0.33	R33						4x7	3.0
0.47	R47						4x7	4.0
1	010						4x7	8.5
2.2	2R2					4x7	13	4x7
3.3	3R3				4x7	13	4x7	16
4.7	4R7			4x7	16	4x7	16	4x7
10	100		4x7	21	4x7	24	4x7	19
22	220	4x7	29	4x7	33	4x7	37	5x7
33	330	4x7	37	4x7	41	5x7	48	5x7
47	470	4x7	44	4x7	51	5x7	57	6x7
100	101	5x7	68	5x7	75	6x7	89	8x7(9)
220	221	6x7	101	6x7	118	8x7(9)	120	
330	331	8x7(9)	132	8x7(9)	135			
470	471	8x7(9)	144	8x7(9)	150			

Rated ripple current(mA,+85°C,120Hz)