

STK 105 °C

Features

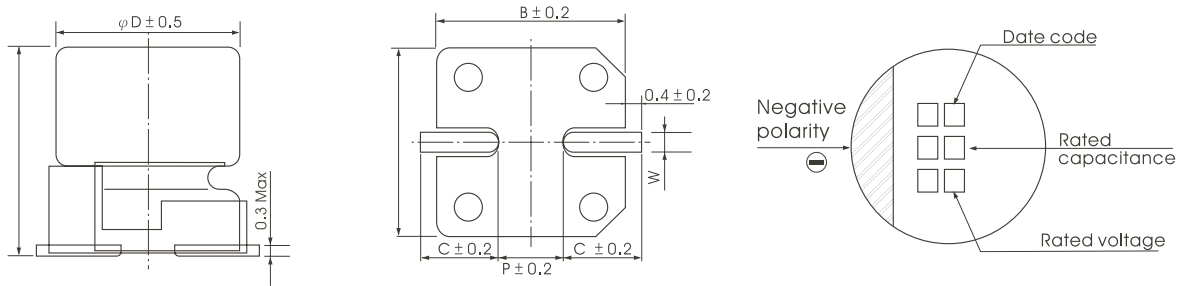
- 105°C 2000 hours assured
- Vertical chip type miniaturized for 5.5 mm



Specifications

Item	Performance																									
Operating Temperature Range	-55 °C to +105 °C																									
Capacitance Tolerance	±20 % (at 120 Hz, 20 °C)																									
Leakage Current (at 20 °C)	I = 0.01 CV or 3 (µA) whichever is greater (After 2 minutes) Where, C = rated capacitance in µF, V = rated DC working voltage in V.																									
Dissipation Factor (tan δ at 120 Hz, 20 °C)	<table border="1"> <thead> <tr> <th>Rated Voltage</th> <th>6.3</th> <th>10</th> <th>16</th> <th>25</th> <th>35</th> <th>50</th> </tr> </thead> <tbody> <tr> <td>tan δ (max)</td> <td>0.30</td> <td>0.26</td> <td>0.22</td> <td>0.16</td> <td>0.13</td> <td>0.12</td> </tr> </tbody> </table>	Rated Voltage	6.3	10	16	25	35	50	tan δ (max)	0.30	0.26	0.22	0.16	0.13	0.12											
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Diagram of Dimensions



Unit: mm

φD	L	A	B	C	W	P
4	5.3 ± 0.2	4.3	4.3	2.0	0.5 to 0.8	1.0
5.3	5.3 ± 0.2	5.3	5.3	2.3	0.5 to 0.8	1.5
6.3	5.3 ± 0.2	6.6	6.6	2.7	0.5 to 0.8	2.0

Dimension & Permissible Ripple Current

Dimension: $\varphi D \times L$ (mm)

Ripple Current: A /rms at 120 Hz, 105 °C

V.DC Contents μF	6.3 V		10 V		16 V		25 V		35 V		50 V	
	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA	$\varphi D \times L$	mA
0.1											4x5.3	2
0.22											4x5.3	3
0.33											4x5.3	4
0.47											4x5.3	5
1											4x5.3	7
2.2											4x5.3	10
3.3											4x5.3	12
4.7							4x5.3	12	4x5.3	14	5x5.3	17
10			4x5.3	15	4x5.3	16	5x5.3	21	5x5.3	23	6.3x5.3	26
22	4x5.3	21	5x5.3	25	5x5.3	28	6.3x5.3	36	6.3x5.3	50		
33	4x5.3	30	5x5.3	31	6.3x5.3	40	6.3x5.3	44				
47	5x5.3	36	6.3x5.3	43	6.3x5.3	47						
100	6.3x5.3	61										