



VEC Series

Features

- $4\phi \sim 6.3\phi$, 85°C, 2,000 hours assured
- Vertical chip type miniaturized for 5.5mm, high capacitors
- Low Leakage Current Lead free reflow soldering is available
- Designed for surface mounting on high density PC board
- RoHS Compliance

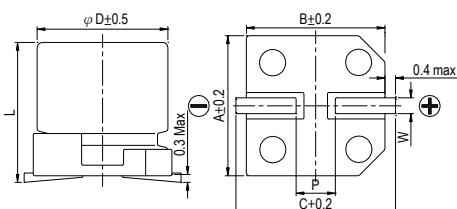


Marking color: Black

Specifications

Items	Performance																					
Category Temperature Range	-40°C ~ +85°C																					
Capacitance Tolerance	±20% (at 120Hz, 20°C)																					
Leakage Current (at 20°C)	$I = 0.002CV$ or $0.5 (\mu A)$ whichever is greater (after 2 minutes) Where, C = rated capacitance in μF V = rated DC working voltage in V																					
Tanδ (at 120Hz, 20°C)	<table border="1"> <tr> <td>Rated Voltage</td> <td>6.3</td> <td>10</td> <td>16</td> <td>25</td> <td>35</td> <td>50</td> </tr> <tr> <td>Tanδ (max)</td> <td>0.28</td> <td>0.24</td> <td>0.20</td> <td>0.14</td> <td>0.12</td> <td>0.10</td> </tr> </table>	Rated Voltage	6.3	10	16	25	35	50	Tanδ (max)	0.28	0.24	0.20	0.14	0.12	0.10							
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Diagram of Dimensions

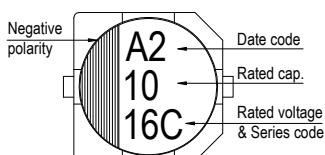


Lead Spacing and Diameter							Unit: mm
φD	L	A	B	C	W	P	φD ± 0.2
4	5.3 ± 0.2	4.3	4.3	5.1	0.5 ~ 0.8	1.0	
5	5.3 ± 0.2	5.3	5.3	5.9	0.5 ~ 0.8	1.5	
6.3	5.3 ± 0.2	6.6	6.6	7.2	0.5 ~ 0.8	2.0	

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

Ripple Current: mA/rms at 120 Hz, 85°C

Marking



Dimension & Permissible Ripple Current

V. DC μF	6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)	
	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA	φ D×L	mA
1 010											4×5.3	10
2.2 2R2											4×5.3	15
3.3 3R3											4×5.3	19
4.7 4R7							4×5.3	19	4×5.3	20	5×5.3	26
10 100			4×5.3	23	4×5.3	26	5×5.3	32	5×5.3	34	6.3×5.3	44
22 220	4×5.3	31	5×5.3	39	5×5.3	44	6.3×5.3	55	6.3×5.3	59		
33 330	5×5.3	44	5×5.3	48	6.3×5.3	63	6.3×5.3	67				
47 470	5×5.3	52	6.3×5.3	67	6.3×5.3	75						
100 101	6.3×5.3	89	6.3×5.3	98								

Part Numbering System

VEC series	10μF	±20%	16V	Carrier Tape	4φ × 5.3L	Pb-free and PET coating case
VEC Series name	100 Capacitance	M Capacitance Tolerance	1C Rated Voltage	TR Package Type	0405 Case size	Lead Wire and Coating Type

Note: For more details, please refer to "Part Numbering System (SMD Type)" on page 12.