

VEC Series

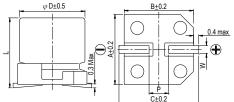
Features

- $4\phi \sim 6.3\phi$, 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

Specifications

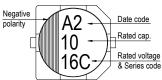
Specifications											
Items	Performance										
Category Temperature Range	-40°C ~ +85°C										
Capacitance Tolerance	±20%										(at 120Hz, 20°C
Leakage Current (at 20°C)	I = 0.002CV or 0.5 (μ A) whichever is greater (after 2 minutes) Where, C = rated capacitance in μ F V = rated DC working voltage in V										
Tanδ (at 120Hz, 20°C)	F		Rated Voltage 6.3		10			35 50]	
iano (at 12012, 20 0)		Tanč	ō (max)	0.28	0.24	0.20	0.14	0.12	0.10		
	Impedance ratio shall not exceed the values given in the table below.										
Low Temperature			ted Voltage		6.3	10	16	25	35	50	_
Characteristics (at 120Hz)		Impedance	Ce Z(-25°C)/Z(+20°C) Z(-40°C)/Z(+20°C)		3	3	2	2	2	2	
		Ratio	Z(-40°C)	/Z(+20°C)	8	5	4	3	3	3	
	Test Time 2,000 Hrs									1	
		С	apacitance	Change		Within	1				
Endurance			Tanδ	0	Less than 200% of specified value						
	Leakage Current Within specified value								1		
	* The above Specifications shall be satisfied when the capacitors are restored to 20°C after the rated voltage applied for 2,000 hours at 85°C.										
		Test Time 1.000 Hrs									
		0	apacitance		hange Within ±20% of initial value Less than 200% of specified value					1	
Shelf Life Test			Tanδ							1	
			Leakage C	urrent						1	
	* The above Specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 85°C without voltage applied.										
Ripple Current &			Frequency	/ (Hz)	50	1:	20	1k	10k up	1	
Frequency Multipliers			Multiplier				.0	1.3	1.4	1	
		L		-	0.7		-			_	

Diagram of Dimensions

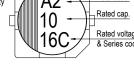


Lead Spacing and Diameter Unit: mm В С W P ± 0.2 φD L А 4 5.3 ± 0.2 4.3 4.3 5.1 $0.5 \sim 0.8$ 1.0 5 5.3 ± 0.2 5.3 1.5 5.3 5.9 0.5 ~ 0.8 6.3 5.3 ± 0.2 6.6 6.6 7.2 0.5 ~ 0.8 2.0

Marking



Dimension & Permissible Ripple Current								Ripple Current: mA/rms at 120 Hz, 85°C							
$\langle \rangle$	V. DC 6.3V (0J)		10V (1A)		16V (1C)		25V (1E)		35V (1V)		50V (1H)				
μF 🔍	ontents	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×L	mA	φD×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 10μ F ±20% 16V Carrier Tape $4\phi \times 5.3$ L Pb-free and PET															
VEC100Series nameCapacitance		Capacitance Rat		<u>1C</u> Rated Voltage	Package Lype			- Terminal Type		<u>0405</u>		coating case Lead Wire and Coating Type			



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

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



Marking color: Black