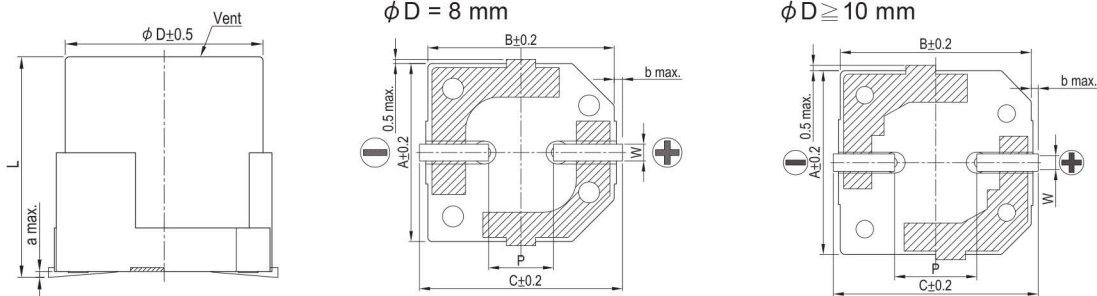


Anti-vibration Structure for SMD Type

Available for SMD $\phi 8 \sim \phi 18$
 Suitable for Automotive Application
 Peak acceleration: 30 G / 50 G

Specifications	Performance						
Peak acceleration: 30 G (for $\phi 8 \sim \phi 18$) / 50 G (for $\phi 8 \sim \phi 16$)	<table border="1"> <tr> <td>Capacitance Change</td> <td>Within $\pm 10\%$ of initial value</td> </tr> <tr> <td>Tanδ</td> <td>Within specified value</td> </tr> <tr> <td>Leakage Current</td> <td>Within specified value</td> </tr> </table>	Capacitance Change	Within $\pm 10\%$ of initial value	Tan δ	Within specified value	Leakage Current	Within specified value
Capacitance Change		Within $\pm 10\%$ of initial value					
Tan δ		Within specified value					
Leakage Current		Within specified value					
Peak to peak amplitude: 1.5mm							
Frequency: 10 ~ 2,000 Hz reciprocation for 20 minutes							
Direction and duration of vibration: 3 orthogonal directions mutually each for 4 Hrs (18 $\phi \times 16.5L$ is for 2 Hrs)							

Diagram of Dimensions



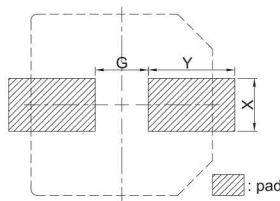
Lead Spacing and Diameter

ϕD	$L \pm 0.5$	A	B	C	W	a	b	$P \pm 0.2$
8	10.5	8.5	8.9	9.9	0.7 ~ 1.1	0.3	0.4	3.1
10	10.5	10.5	10.9	11.9	0.7 ~ 1.3	0.3	0.4	4.7
12.5	13.5*	13.0	13.5	14.5	1.1 ~ 1.4	0.4	1.0	4.4
12.5	16.5*	13.0	13.5	14.5				4.4
16	16.5	16.5	17.0	18.2				6.4
18	16.5	18.5	19.0	20.2				6.4

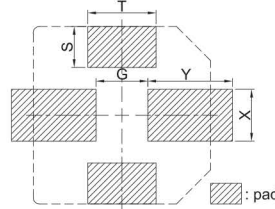
Note: The "L" dimension in marking with "*" symbol is ± 1.0 .

Land Pattern (Anti-vibration Structure)

30 G



50 G



When using large surface mount capacitor, please design possibly land pattern area than the recommended pattern dimension in order to increase vibration resistance and avoid to falling off a circuit board. If you use higher G value, please consult with us.

Accelerations	Case Dia. (ϕ)	Land size				
		G	Y	X	S	T
30 G	8	3.0	4.3	3.5		
	10	4.0	4.7	3.5		
	12.5	3.5	6.0	4.8	---	---
	16	5.0	8.0	6.3		
	18*	5.0	8.5	6.3		
50 G	8	3.0	4.3	3.0	1.1	2.2
	10	4.0	4.7	3.0	1.2	2.4
	12.5	3.8	6.0	6.0	3.0	5.0
	16	5.0	8.0	7.5	3.0	5.0

Note: Case dia. in marking with "*" symbol is only for 18 $\phi \times 16.5L$.

Discontinued Series

The following series are discontinued. Please use the recommended in the table.

Type	Original Series	Features	Recommended Substitution
SMD	VE2, VE3, VEA	Higher Capacitance Range	VE
	VGA, VEL	Higher Capacitance Range, 105°C	VEJ
	VEK	Long Life, 105°C	VZH
	VLV	Low ESR, High Reliability, Anti-vibration	VZH
	VLW	High Temperature Usage, 125°C, Anti-vibration	VUA
Radial	RXZ	Super Ultra Low Impedance (Design for M/B)	OCR / OCRZ
	RXH	Ultra Low Impedance, High Reliability (Design for M/B)	
	RZD	Ultra Low Impedance	
	RXF	High Ripple Current, Long Life	RXQ
	RXY	Low Impedance	RZW
	RZY	High Reliability	
	RZF	High Reliability, Long Life	
Axial	TEA	General	