



Type:SMVA-VA 2080

◆ Product Description

- 2.15×1.35 mm Max.(L×W),0.95 mm Max. Height.
- Typical Capacitance: 10~70pF
- In addition to the standards versions shown here, custom inductors are also available to meet your exact requirements.

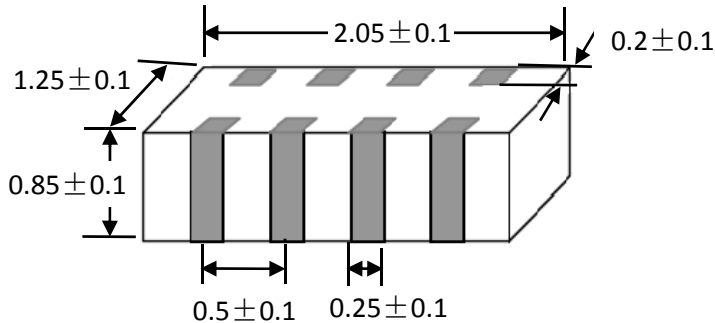
◆ Feature

- Availing transient voltage protection in 4 or 8 lines by one chip
- Excellent clamping ratio and quick response time (<0.5ns)
- Highly effective in designing a higher density circuit

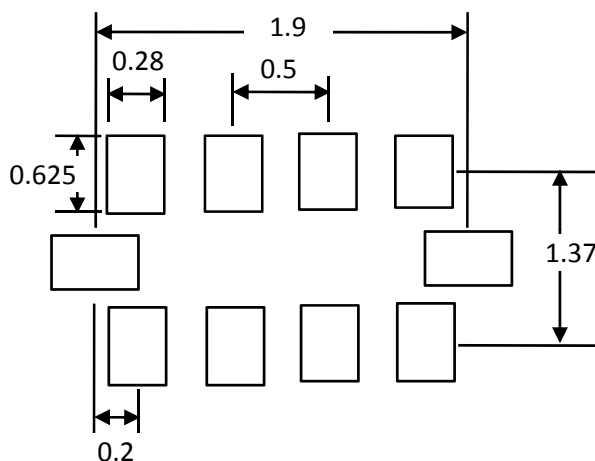
◆ Application

- LCD module and I/O line Transient voltage protection or ESD protection,such as mobile Phone ,PDA, LCD TV, etc

◆ Dimensions (mm)



◆ Land Pattern (mm)

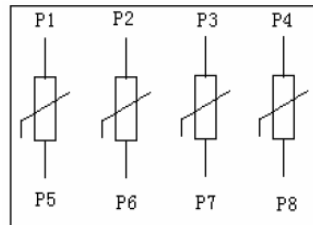
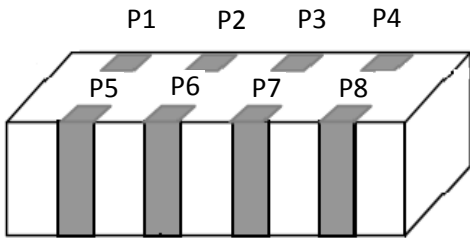




Multilayer Chip Varistor Array <Type:SMVA-VA Series>

Type:SMVA-VA2080

◆ Equivalent circuit



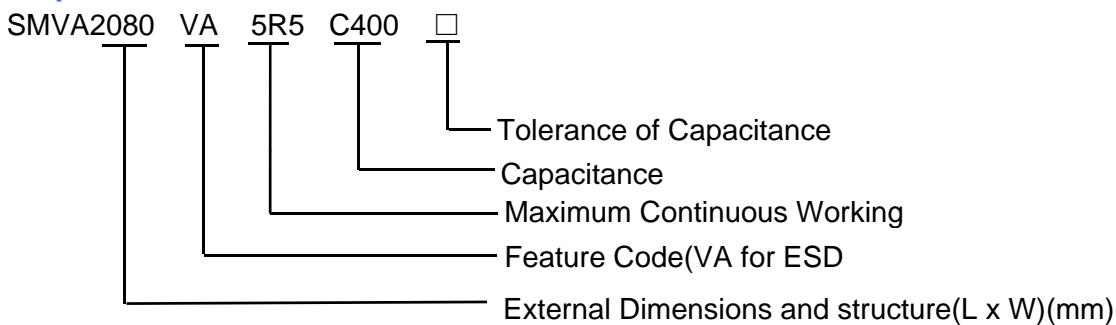
P1,P2,P3,P4:In(out)

P5,P6,P7,P8:Out(in)

◆ Specification

Suntek Part Number	System Code	Max.Working Voltage		Varistor Voltage @1mA DC	Max.Clamping Voltage		Rated Single Pulse Transient Peak Current 8/20 μs	Typical Capacitance @0.5Vrms,1 MHz
		DC	AC		8/20μs	ESD		
SMVA2080VA5R5C400□		5.5	4.0	10~14	18	23	5	40
SMVA2080VA140C100□		14	10.0	16~22	30	39	2	10
SMVA2080VA140C400□		14	10.0	16~22	30	39	5	40
SMVA2080VA140C700□		14	10.0	16~22	30	39	10	70
SMVA2080VA180C100□		18	12.7	22~28	40	48	2	10
SMVA2080VA180C150□		18	12.7	22~28	40	48	2	15

※Description of Part Name



Note:

1. Operating Temperature is $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$.
2. V_c , Maximum peak voltage across the varistor measured at 1A 8/20 μ s impulse current.
3. V_c , Maximum peak voltage across the varistor measured at a 30ns after initiation of pulse on IEC61000-4-2
4. I_p , Maximum peak current applied at 8/20 μ s surge impulse current without varistor failure.
5. □: Please specify the capacitance tolerance code (N= $\pm 30\%$, Y= $+100\% \sim -50\%$, G=Maximum)