

Symmetrical Type Silicon Varistor

# SVO

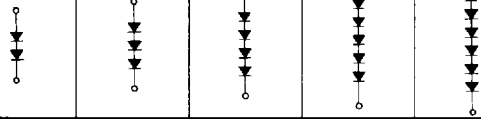
■ Applications: Noise limiter, Gauge protection, Current blocking, Voltage limiter, Temperature compensation

### Maximum Ratings

Ta = 25°C

Item	Symbol	SV02YS	SV03YS	SV04YS	SV05YS	SV06YS	Unit
DC forward current	I <sub>F</sub>	200	150	100	80	70	mA
Peak forward surge current	I <sub>FSM</sub>	30	16	12	10	8	A
(50Hz half sine wave)							
Junction temperature	T <sub>j</sub>	-40 ~ +130					°C
Storage temperature	T <sub>stg</sub>	-40 ~ +130					°C

Internal junction



### Electrical Characteristics

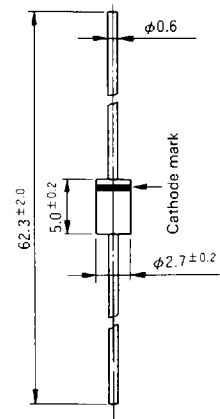
Ta = 25°C

Item	Symbol	Condition	SV02YS	SV03YS	SV04YS	SV05YS	SV06YS	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> = 1mA	1.2 ± 0.2	1.8 ± 0.2	2.35 ± 0.25	3.0 ± 0.3	3.5 ± 0.35	V
		I <sub>F</sub> = 70mA	1.5 ± 0.25	2.3 ± 0.25	3.0 ± 0.3	3.80 ± 0.4	4.5 ± 0.45	
Reverse current	I <sub>R</sub>	V <sub>R</sub> = 100V	10					μA

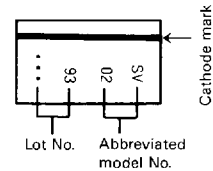
### Outline Drawing

Unit: mm

Resin molded type  
Nonflammability: UL94V-0 or equivalent

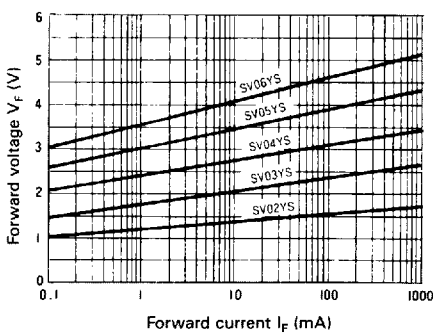


Seal mark

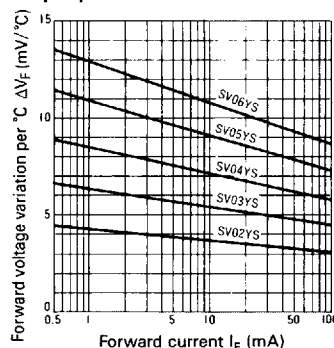


Weight : Approx. 0.3g

V<sub>F</sub>-I<sub>F</sub> Characteristics



ΔV<sub>F</sub>-I<sub>F</sub> Characteristics



I<sub>F</sub> (%) - T<sub>a</sub> Characteristics

