






SVO Unsymmetrical Type

Applications

- Noise Limiter
- Gauge Protection
- Current Blocking
- Voltage Limiter
- Temperature Compensation

Maximum Ratings $T_a = 25^\circ\text{C}$

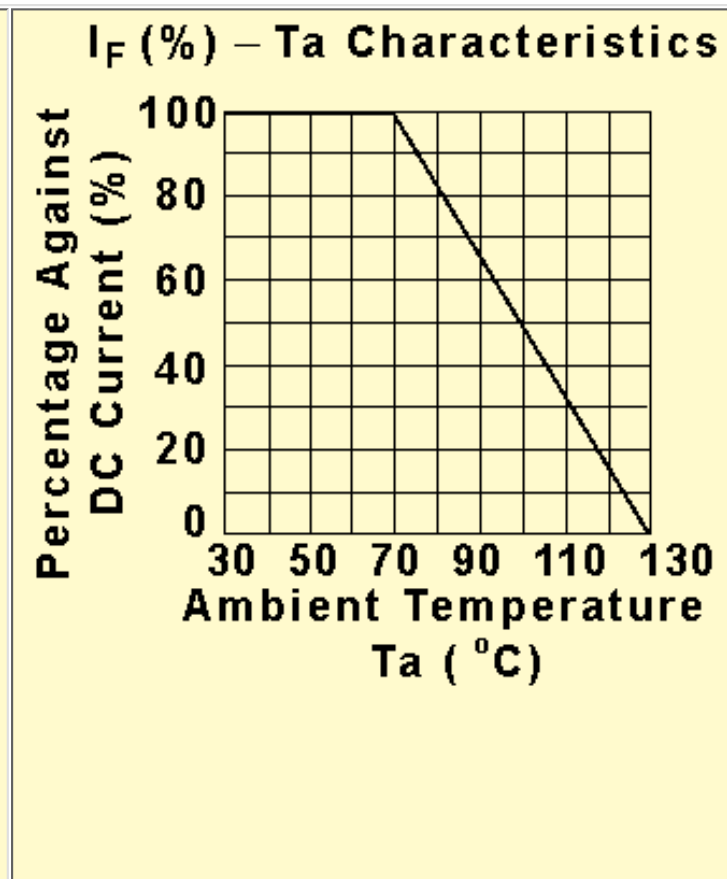
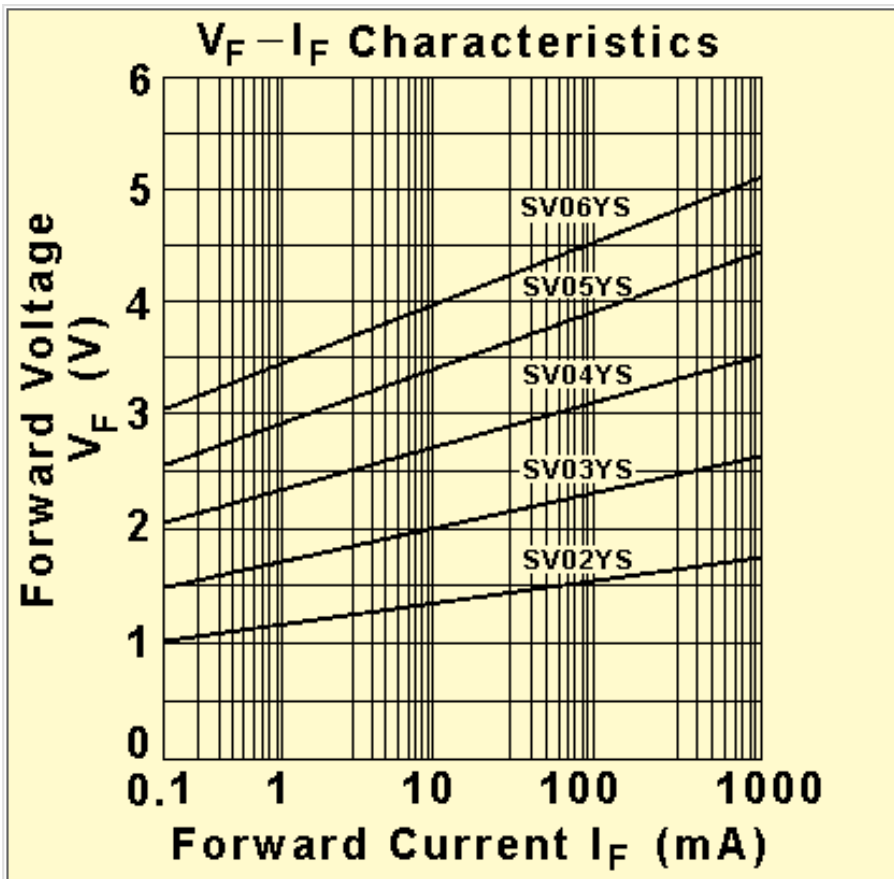
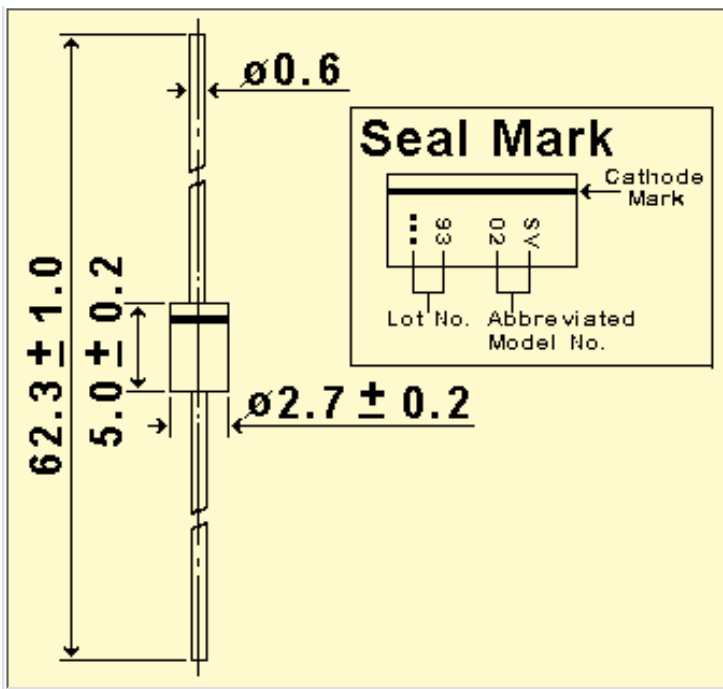
Item	Symbol	SVO2YS	SVO3YS	SVO4YS	SVO5YS	SVO6YS	Unit
DC Forward Current	I_F	200	150	100	80	70	mA
Peak Forward Surge Current	I_{FSM}	30	16	12	10	8	A
		(50Hz half sine wave)					
Junction Temperature	T_j	-40 ~ +130					$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +130					$^\circ\text{C}$
Internal Junction							

Electrical Characteristics $T_a = 25^\circ\text{C}$

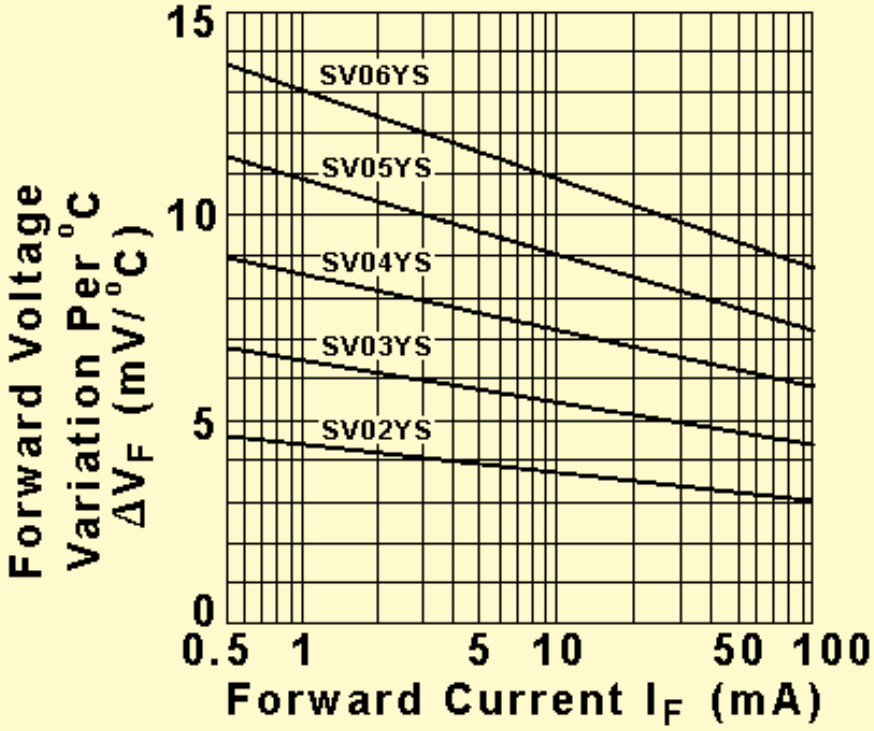
Item	Symbol	Condition	SVO2YS	SVO3YS	SVO4YS	SVO5YS	SVO6YS	Unit
Forward Voltage	V_F	$I_F = 1\text{mA}$	1.2 ± 0.20	1.80 ± 0.20	2.35 ± 0.25	3.00 ± 0.3	3.5 ± 0.35	V
		$I_F = 70\text{mA}$	1.5 ± 0.25	2.30 ± 0.25	3.00 ± 0.30	3.80 ± 0.4	4.5 ± 0.45	
Reverse Current	I_R	$V_R = 100\text{V}$	10					μA

Outline Drawing Unit: mm

Resin Molded Type
 Nonflammability: UL94V-O or equivalent
 Weight: Approx. 0.3g



$\Delta V_F - I_F$ Characteristics




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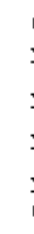


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World Products Inc. 19654 8th St. East, Sonoma, CA, USA, 95476 . . Phone: (707) 996-5201 . . Fax: (707) 996-3380

SVO Unsymmetrical Type

Applications

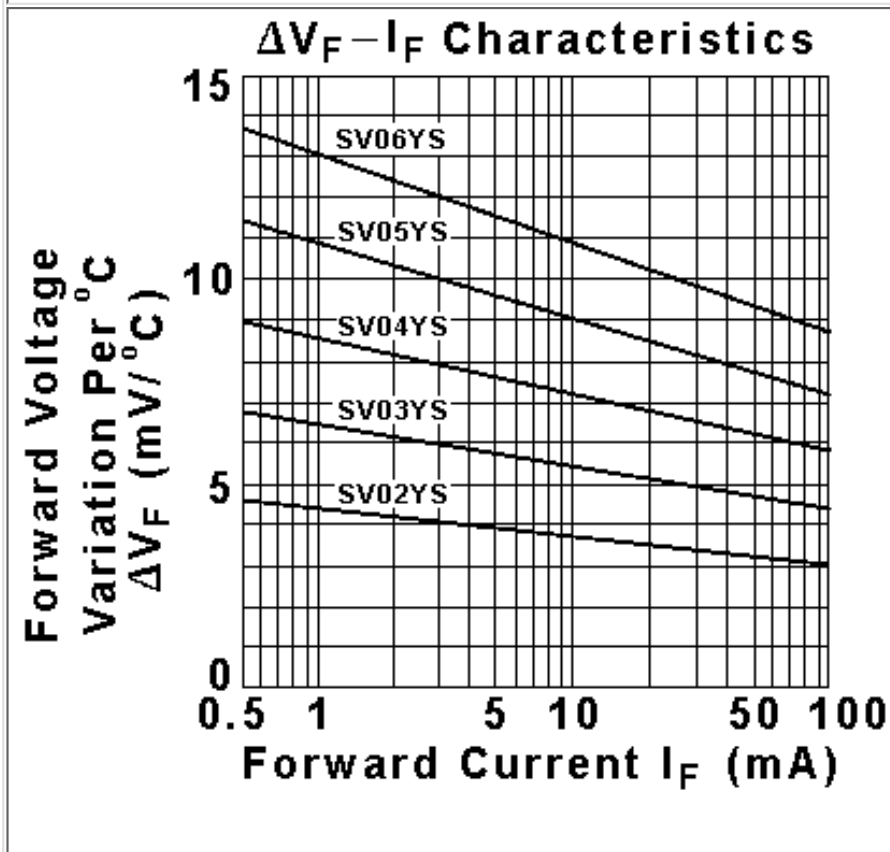
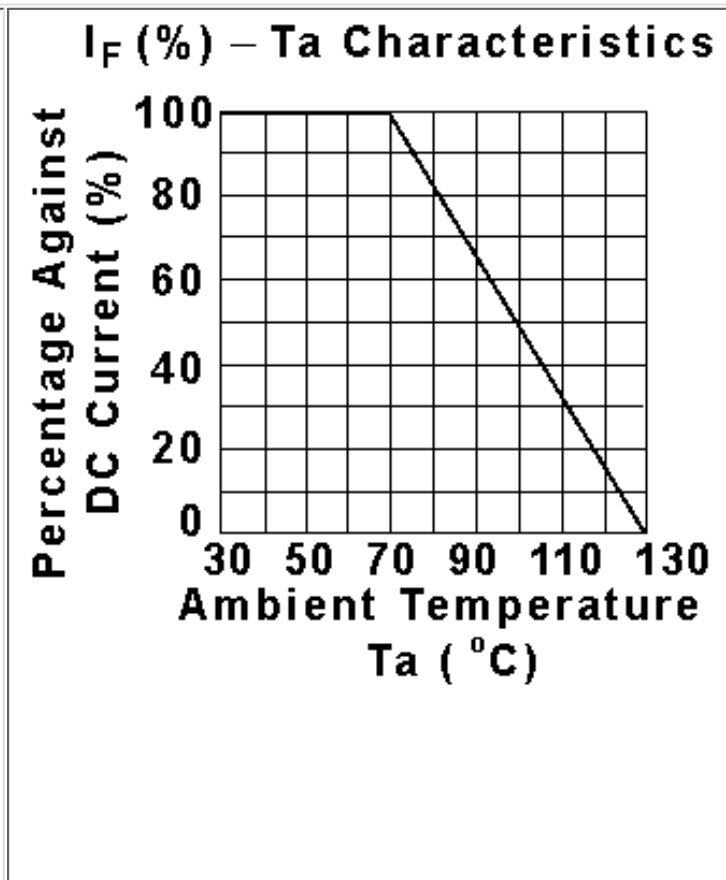
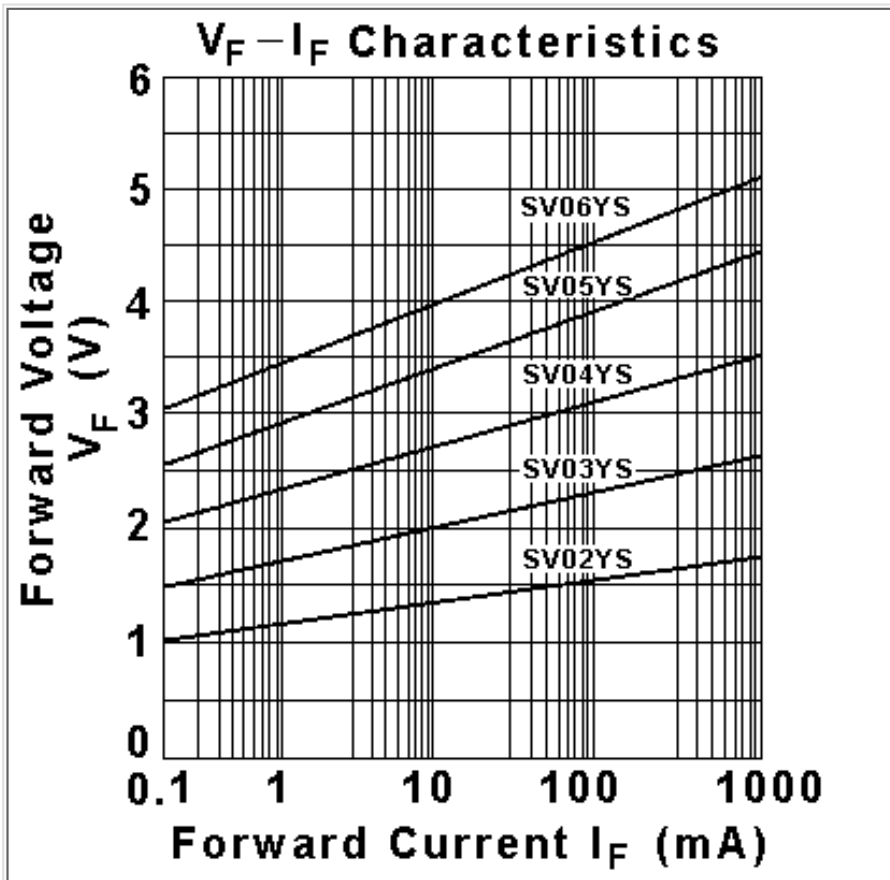
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Maximum Ratings $T_a = 25^\circ\text{C}$							
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Peak Forward Surge Current	I_{FSM}	30	16	12	10	8	A
		(50Hz half sine wave)					
Junction Temperature	T_j	-40 ~ +130					$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 ~ +130					$^\circ\text{C}$
Internal Junction							

Electrical Characteristics Both Directions, $T_a = 25^\circ\text{C}$								
Item	Symbol	Condition	SVO2YS	SVO3YS	SVO4YS	SVO5YS	SVO6YS	Unit
Forward Voltage	V_F	$I_F = 1\text{mA}$	1.2 ± 0.20	1.80 ± 0.20	2.35 ± 0.25	3.00 ± 0.3	3.5 ± 0.35	V
		$I_F = 70\text{mA}$	1.5 ± 0.25	2.30 ± 0.25	3.00 ± 0.30	3.80 ± 0.4	4.5 ± 0.45	
Reverse Current	I_R	$V_R = 100\text{V}$	10					μA

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SVO Unsymmetrical Type - (continued)



Outline Drawing Unit: mm
 Resin Molded Type
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