

**VOLTAGE RANGE: 16KV**  
**CURRENT: 5.0 mA**

### Features

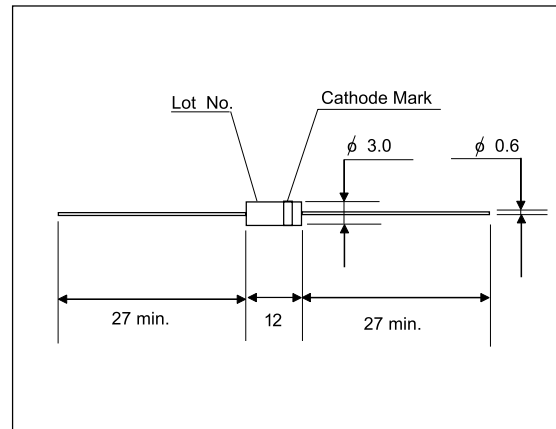
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

### Applications

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power



### Outline Drawings : mm



### Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbols	SHV-16	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$	16	kV
Average Output Current $T_a=25^\circ\text{C}$ , Resistive Load	$I_o$	5.0	mA
Surge Current	$I_{FSM}$	0.5	$A_{peak}$
Maximum Forward Voltage Drop at $25^\circ\text{C}$ , $I_F = I_{F(AV)}$	$V_F$	43	V
Maximum Reverse Current at $25^\circ\text{C}$ at $100^\circ\text{C}$	$V_R = V_{RRM}$	2.0	$\mu\text{A}$
		5.0	$\mu\text{A}$
Maximum Reverse Recovery Time at $25^\circ\text{C}$	$T_{rr}$	100	nS
Junction Capacitance at $25^\circ\text{C}$ , $V_R=0\text{V}$ , $f=1\text{MHz}$	$C_j$	1.0	pF
Junction Temperature	$T_j$	120	$^\circ\text{C}$
Allowable Operation Case Temperature	$T_c$	120	$^\circ\text{C}$
Storage Temperature	$T_{stg}$	-40 to +120	$^\circ\text{C}$