

VOLTAGE RANGE: 6000V
CURRENT: 5.0 mA

Features

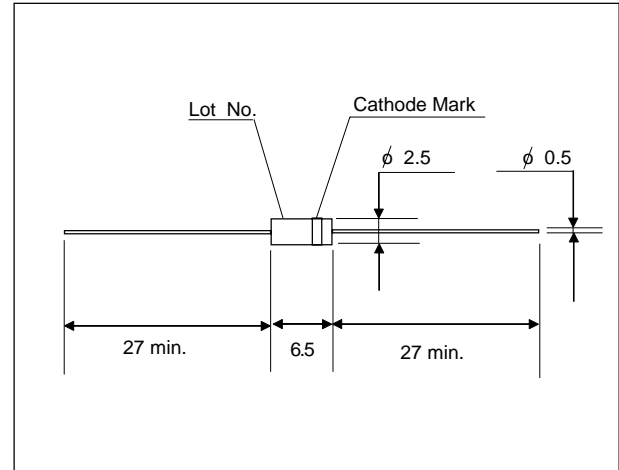
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

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-06	Units	
Repetitive Peak Reverse Voltage	V_{RRM}	6.0	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°C , $I_F = I_{F(AV)}$	V_F	20	V	
Maximum Reverse Current	$V_R = V_{RRM}$	at 25°C	2.0	μA
		at 100°C	5.0	μA
Maximum Reverse Recovery Time at 25°C	T_{rr}	100	nS	
Junction Capacitance at 25°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	$^\circ\text{C}$	