



# ESJA52-14A

## HIGH VOLTAGE RECTIFIER DIODES

**VOLTAGE RANGE: 14000V**  
**CURRENT: 5.0mA**

### Features

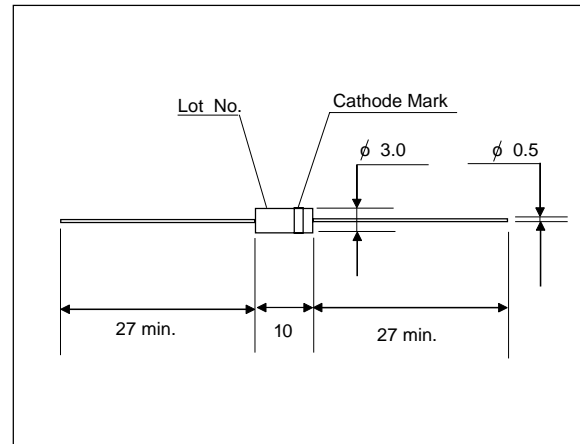
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

### Applications

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



### Outline Drawings : mm



### Maximum Ratings and Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbols	ESJA52-14A	Units
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	14	kV
Average Output Current T <sub>a</sub> =25°C, Resistive Load	I <sub>o</sub>	5.0	mA
Surge Current	I <sub>FSM</sub>	0.5	A
Maximum Forward Voltage Drop at 25°C, I <sub>F</sub> = I <sub>F(AV)</sub>	V <sub>F</sub>	40	V
Maximum Reverse Current at 25°C at 100°C	V <sub>RRM</sub>	2.0	μA
		5.0	μA
Maximum Reverse Recovery Time at 25°C	T <sub>rr</sub>	80	nS
Junction Capacitance at 25°C, V <sub>R</sub> =0V, f=1MHz	C <sub>j</sub>	2.0	pF
Junction Temperature	T <sub>J</sub>	125	°C
Allowable Operation Case Temperature	T <sub>C</sub>	125	°C
Storage Temperature	T <sub>stg</sub>	-40 to +125	°C