

**VOLTAGE RANGE: 20KV**  
**CURRENT: 5.0 mA**

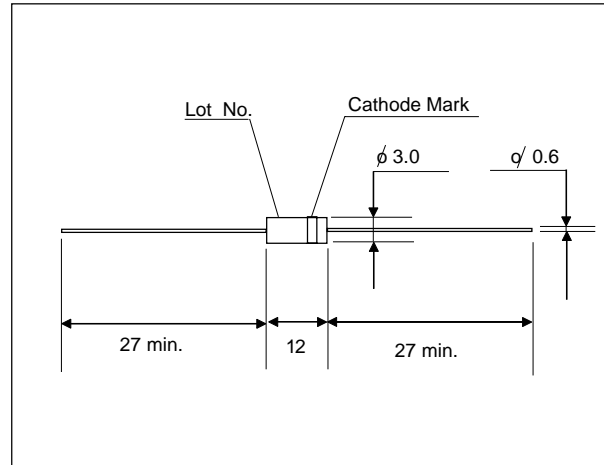
### Features

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

### Mechanical Data

- 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	ESJA53-20A	Units	
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	20	kV	
Average Output Current T <sub>a</sub> =25°C, Resistive Load	I <sub>o</sub>	5.0	mA	
Suege 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>	62	V	
Maximum Reverse Current	V <sub>RRM</sub>	at 25°C	2.0	uA
		at 100°C	5.0	uA
Maximum Reverse Recovery Time at 25°C	T <sub>rr</sub>	100	nS	
Junction Capacitance at 25°C, V <sub>R</sub> =0V, f=1MHz	C <sub>j</sub>	1.0	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	