ESJA53-20A

HIGH VOLTAGE RECTIFIER DIODES

VOLTAGE RANGE: 20KV
CURRENT: 5.0 mA

Features

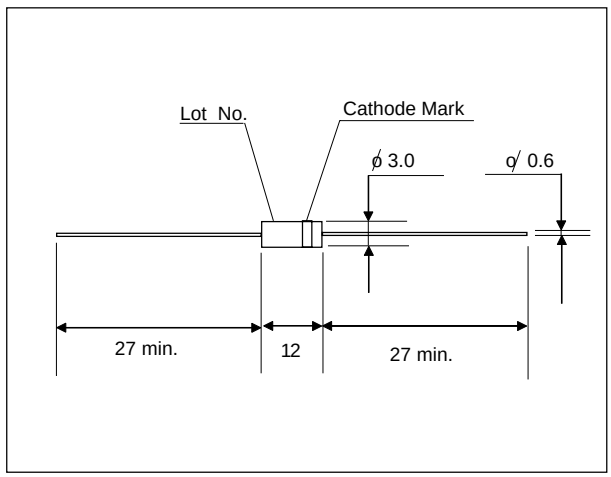
- High speed switching
- High Current
- High surge resisitivity for CRT discharge
- High reliability design

Mechanical Data

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

RoHS COMPLIANT

Outline Drawings : mm



Maximum Ratings and Electrical Characteristics

T_A = 25°C unless otherwise specified

Characteristic	Symbols	ESJA53-20A	Units
Repetitive Peak Renerse Voltage	V_{RRM}	20	kV
Average Output Current Ta=25°C,Resistive Load	I_O	5.0	mA
Suege Current	I_{FSM}	0.5	A
Maximum Forward Voltage Drop at 25°C,I_F =$I_{F(AV)}$	V_F	62	V
Maximum Reverse Current at 25°C	V_{RRM}	2.0	uA
Maximum Reverse Current at 100°C	V_{RRM}	5.0	uA
Maximum Reverse Recovery Time at 25°C	Trr	100	nS
Junction Capacitance at 25°C,V_R=0V,f=1MHz	Cj	1.0	pF
Junction Temperature	Tj	125	°C
Allowable Operation Case Temperature	Tc	125	°C
Storage Temperature	T_{stg}	-40 to +125	°C