ESJA52-14A

HIGH VOLTAGE RECTIFIER DIODES

VOLTAGE RANGE: 14000V
CURRENT: 5.0mA

Features

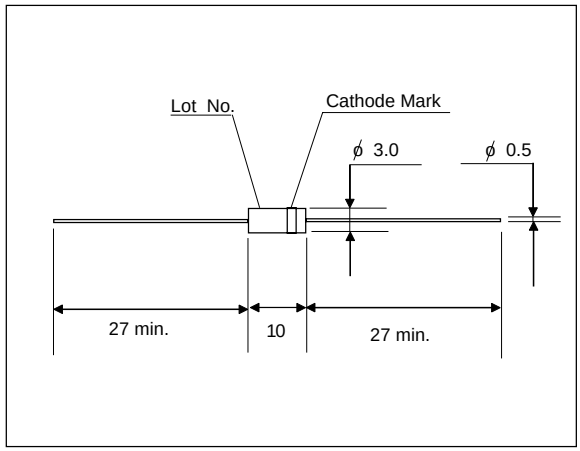
- High speed switching
- High Current
- High surge resisitivity for CRT discharge
- High reliability design
- High Voltage

Applications

- 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	ESJA52-14A	Units
Repetitive Peak Renerse Voltage	V_{RRM}	14	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	40	V
Maximum Reverse Current at 25°C	V_{RRM}	2.0	uA
at 100°C		5.0	uA
Maximum Reverse Recovery Time at 25°C	Trr	80	nS
Junction Capacitance at 25°C,V_R=0V,f=1MHz	Cj	2.0	pF
Junction Temperature	T_j	125	°C
Allowable Operation Case Temperature	Tc	125	°C
Storage Temperature	T_{stg}	-40 to +125	°C