



ESJA08-12

HIGH VOLTAGE RECTIFIER DIODES

VOLTAGE RANGE: 12 KV
CURRENT: 5.0 mA

Features

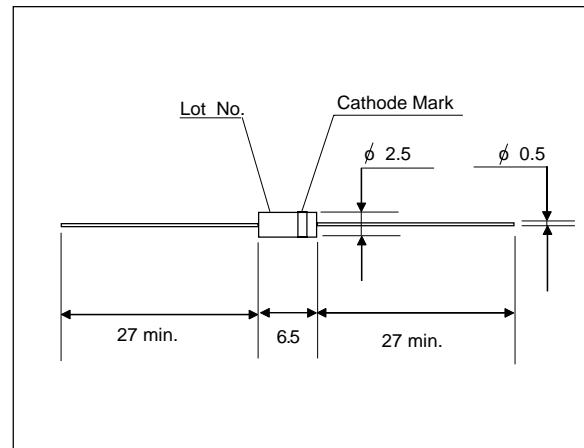
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

Applications

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



Outline Drawings : mm



Maximum Ratings and Electrical Characteristics @ T_A = 25°C unless otherwise specified

Items	Symbols	ESJA08-12	Units
Repetitive Peak Reverse Voltage	V _{RRM}	12	kV
Average Output Current T _a =25°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	35	V
Maximum Reverse Current at 25°C, V _R = V _{RRM}	IR1	2.0	uA
	IR2	5.0	uA
Maximum Reverse Recovery Time at 25°C	T _{rr}	80	nS
Junction Capacitance at 25°C, V _R =0V, f=1MHz	C _j	2.0	pF
Junction Temperature	T _j	125	°C
Allowable Operation Case Temperature	T _c	125	°C
Storage Temperature	T _{stg}	-40 to +125	°C