



ESJA08-10

HIGH VOLTAGE RECTIFIER DIODES

VOLTAGE RANGE: 10 KV
CURRENT: 5.0 mA

Features

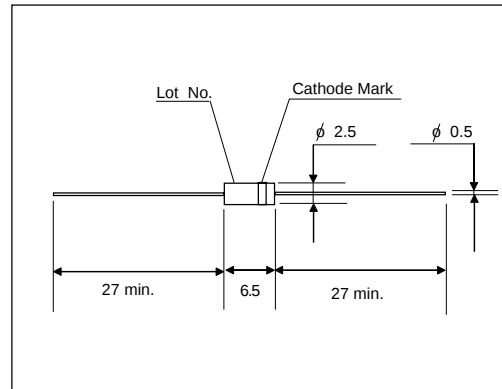
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

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	ESJA08-10	Units
Repetitive Peak Reverse Voltage	V_{RRM}	10	kV
Average Output Current Ta=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	30	V
Maximum Reverse Current at 25°C, $V_R = V_{RRM}$ at 100°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