



ESJA59-10A

HIGH VOLTAGE RECTIFIER DIODES

VOLTAGE RANGE: 10 KV
CURRENT: 5.0 mA

Features

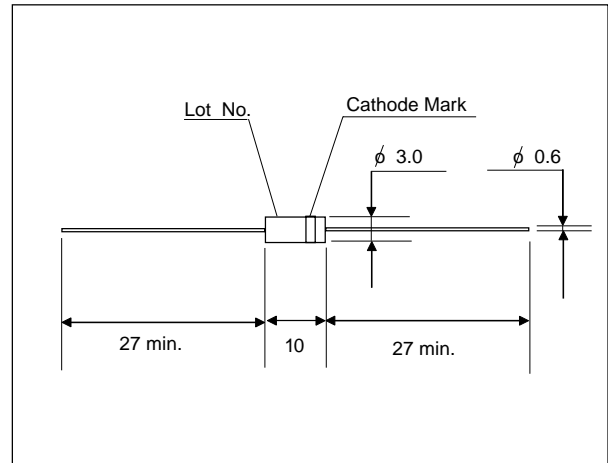
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

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

Characteristic	Symbols	ESJA59-10A	Units
Repetitive Peak Reverse Voltage	V _{RRM}	10	kV
Non-Repetitive peak forward Current 50Hz Sine-half wave peak value	IFSM	0.5	A
Average forward Current 50Hz Sine Wave	I _{AV}	5.0	mA
Maximum Forward Voltage Drop at 25°C, I _F =10mA	V _F	36	V
Maximum Reverse Current at 25°C, V _R = 10KV at 100°C, V _R = 10KV	V _{RRM}	2.0	uA
		5.0	uA
Maximum Reverse Recovery Time at 25°C IF=2mA, IR=4mA	T _{rr}	0.08	nS
Junction Capacitance at 25°C, V _R =0V, f=1MHz	C _j	1.0	pF
Junction Temperature	T _j	120	°C
Allowable Operation Case Temperature	T _c	100	°C
Storage Temperature	T _{stg}	-40 to +120	°C