



ESJA18-08

HIGH VOLTAGE DIODES

VOLTAGE RANGE: 8KV
CURRENT: 5.0 mA

Features

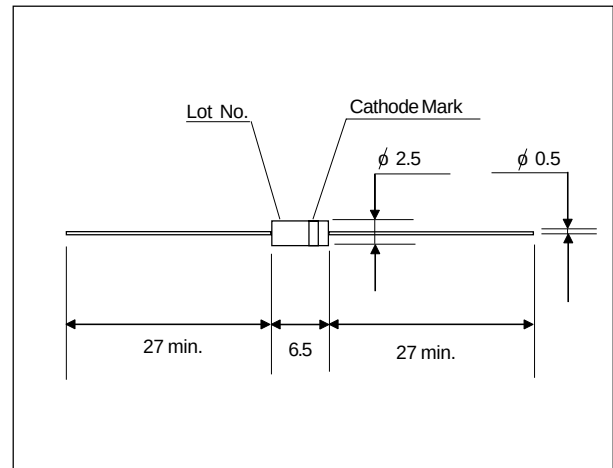
- Ultra high speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small pakage

Applications

- Rectification for CRT display monitor high voltage power supply (FBT:Flyback Transformer)



Outline Drawings



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

Characteristic	Symbols	ESJA18-08	Units
Repetitive Peak Reverse Voltage	V _{RRM}	8	kV
Average Output Current	I _o	5	mA
Surge Current Ta=25°C, Resistive Load	I _{FSM}	0.5	A
Maximum Forward Voltage Drop I _F =10mA	V _F	28	V
Maximum Reverse Current V _R =V _{RRM}	I _R	2	μA
Maximum Reverse Recovery Time Ta=25°C, I _F =2mA, I _R =4mA	t _{rr}	0.045	μs
Junction Capacitance Ta=25°C, V _R =0V, f=1MHz	C _j	2	pF
Junction Temperature 10mS Sine-half wave peak value	T _j	120	°C
Allowable Operation Case Temperature	T _c	100	°C
Storage Temperature	T _{stg}	-40 to +120	°C