

VOLTAGE RANGE: 10KV
CURRENT: 5 mA

Features

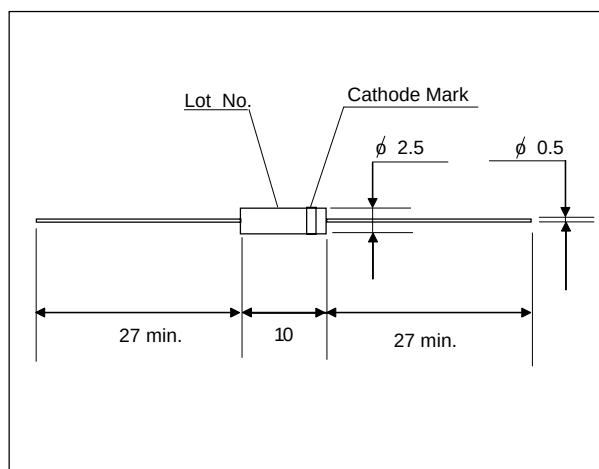
- High speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small package

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

Items	Symbols	ESJA09-10	Units
Repetitive Peak Reverse Voltage	V _{RRM}	10	kV
Average Output Current T _a =25°C, Resistive Load	I _o	5	mA
Surge Current 10mS Sine-half wave peak value	I _{FSM}	0.5	A _{peak}
Maximum Forward Voltage Drop at 25°C, I _F =10mA	V _F	35	V
Maximum Reverse Current at 25°C, V _R =10kV	I _{R1}	2	μA
at 100°C, V _R =10kV	I _{R2}	5	μA
Maximum Reverse Recovery Time at 25°C, I _F =2mA, I _R =4mA	t _{rr}	0.05	μs
Junction Capacitance at 25°C, V _R =0V, f=1MHz	C _j	1	pF
Junction Temperature	T _j	120	°C
Allowable Operation Case Temperature	T _c	100	°C
Storage Temperature	T _{stg}	-40 to +120	°C