

VOLTAGE RANGE: 12KV
CURRENT: 5 mA

Features

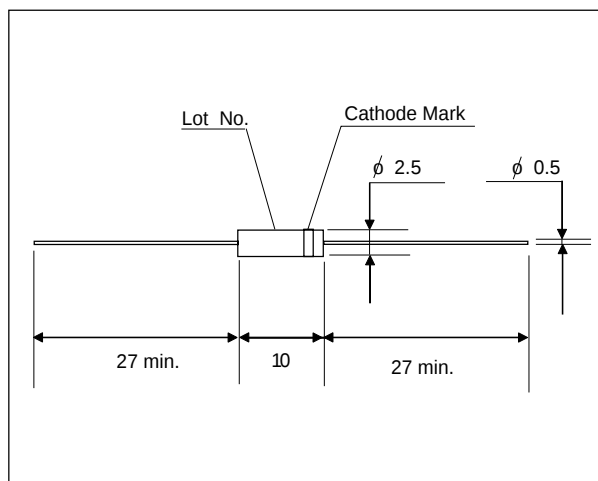
- High speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small pakage

Applications

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



Outline Drawings : mm



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

Characteristic	Symbols	ESJA09-12	Units
Repetitive Peak Reverse Voltage	V _{RRM}	12	kV
Average Output Current Ta=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	42	V
Maximum Reverse Current at 25°C, V _R =12kV at 100°C, V _R =12kV	I _{R1}	2	μA
	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