

VOLTAGE RANGE: 12KV
CURRENT: 5.0 mA

Features

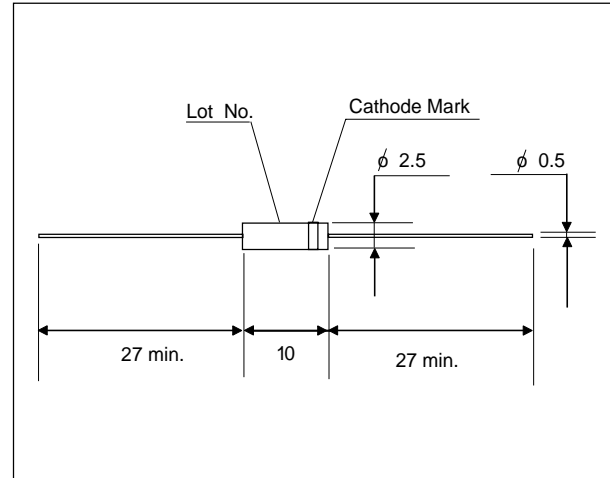
- High speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small pakage

Applications

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



Outline Drawings : mm



Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbols	ESJA09-12	Units
Repetitive Peak Reverse Voltage	V_{RRM}	12	kV
Average Output Current $T_a=25^\circ\text{C}$, 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 , $I_F=10\text{mA}$	V_F	42	V
Maximum Reverse Current at 25°C , $V_R=12\text{kV}$ at 100°C , $V_R=12\text{kV}$	IR1	2	μA
	IR2	5	μA
Maximum Reverse Recovery Time at 25°C , $I_F=2\text{mA}$, $I_R =4\text{mA}$	t_{rr}	0.05	μs
Junction Capacitance at 25°C , $V_R=0\text{V}$, $f=1\text{MHz}$	C_j	1	pF
Junction Temperature	T_j	120	$^\circ\text{C}$
Allowable Operation Case Temperature	T_c	100	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +120	$^\circ\text{C}$