

VOLTAGE RANGE: 8KV
CURRENT: 5 mA

Features

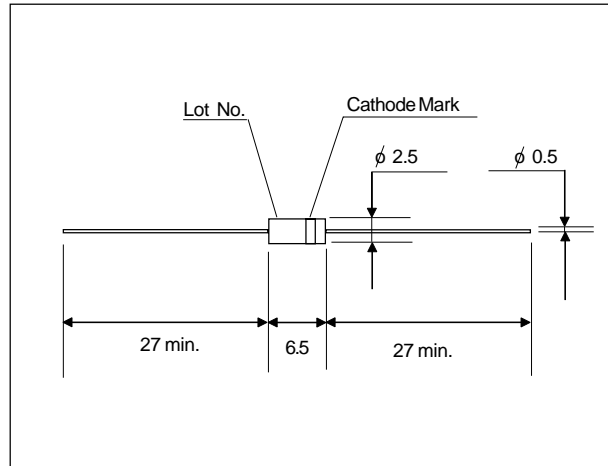
- Ultra high speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small package

Applications

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



Outline Drawings



Maximum Ratings and Electrical Characteristics @ $T_A = 25^\circ\text{C}$ 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 $T_a=25^\circ\text{C}$, Resistive Load	I_{FSM}	0.5	A
Maximum Forward Voltage Drop $I_F=10\text{mA}$	V_F	28	V
Maximum Reverse Current $V_R=V_{RRM}$	I_R	2	μA
Maximum Reverse Recovery Time $T_a=25^\circ\text{C}$, $I_F=2\text{mA}$, $I_R=4\text{mA}$	t_{rr}	0.045	μs
Junction Capacitance $T_a=25^\circ\text{C}$, $V_R=0\text{V}$, $f=1\text{MHz}$	C_j	2	pF
Junction Temperature 10mS Sine-half wave peak value	T_j	120	$^\circ\text{C}$
Allowable Operation Case Temperature	T_c	100	$^\circ\text{C}$
Storage Temperature	T_{stg}	-40 to +120	$^\circ\text{C}$