

VOLTAGE RANGE: 12KV
CURRENT: 5mA

Features

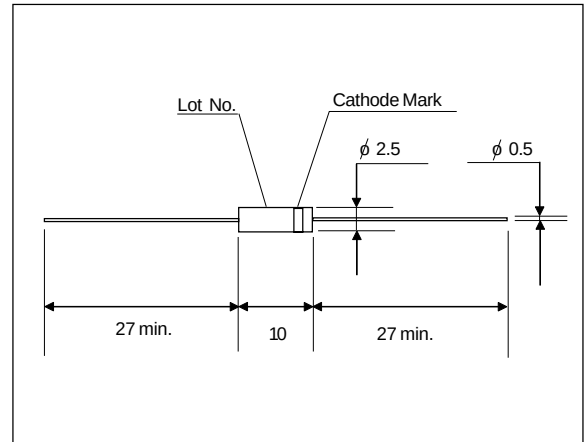
- Ultra high speed switching
- Low VF
- High surge resistivity for CRT discharge
- High reliability design
- Ultra small pakage

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	ESJA19 -12	Units
Repetitive Peak Reverse Voltage	V _{RRM}	12	kV
Average Output Current T _a =25°C, Resistive Load	I _O	5.0	mA
Surge Current	I _{FSM}	0.5	A
Maximum Forward Voltage Drop at 25°C, I _F =10mA	V _F	42	V
Maximum Reverse Current	V _{RRM}	2.0	uA
Maximum Reverse Recovery Time T _a =25°C, I _F =2mA, I _R =4mA	T _{rr}	0.045	μs
Junction Capacitance at 25°C, V _R =0V, f=1MHz	C _j	1.0	pF
Junction Temperature	T _j	125	°C
Allowable Operation Case Temperature	T _c	125	°C
Storage Temperature	T _{stg}	-40 to +125	°C