

VOLTAGE RANGE: 12 KV
CURRENT: 5.0 mA

Features

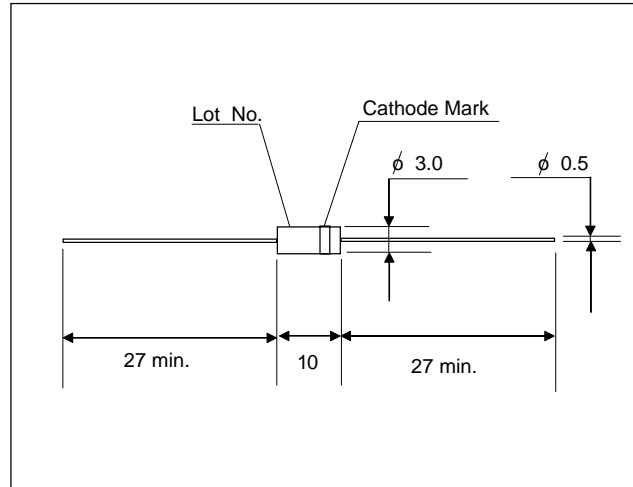
- High speed switching
- High Current
- High surge resistivity for CRT discharge
- High reliability design
- High Voltage

Mechanical Data

- X light Power supply
- Laser
- Voltage doubler circuit
- Microwave emission power



Outline Drawings : mm



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

| Characteristic | Symbols | ESJA52-12A | 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 = I _{F(AV)} | V _F | 35 | V |
| Maximum Reverse Current at 25°C at 100°C | V _{RRM} | 2.0 | uA |
| | | 5.0 | uA |
| Maximum Reverse Recovery Time at 25°C | T _{rr} | 80 | nS |
| Junction Capacitance at 25°C, V _R =0V, f=1MHz | C _j | 2.0 | pF |
| Junction Temperature | T _J | 125 | °C |
| Allowable Operation Case Temperature | T _C | 125 | °C |
| Storage Temperature | T _{stg} | -40 to +125 | °C |