

# ESJC32-08X

(7.5kV/350mA)

## HIGH VOLTAGE DIODE

**ESJC32** is high reliability resin molded type high voltage diode in small size package which is sealed a multilayered mesa type silicon chip by epoxy resin.

### Features

- Low VF
- High surge proof resistivity
- High reliability .
- High speed switching

### Applications

- Rectification for inverter type Microwave oven high voltage power supply

### Maximum Ratings and Characteristics

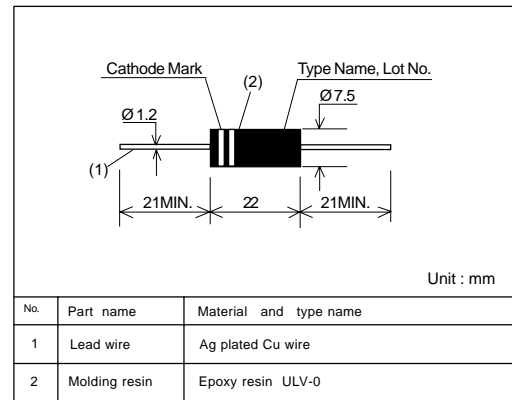
- Absolute Maximum Ratings

Items	Symbols	Conditions	ESJC32-08X	Units
Repetitive Peak Reverse Voltage	$V_{RRM}$		7.5	kV
Average Forward Current	$I_o$	$T_I \leq 110^\circ\text{C}$	350	mA
Non-repetitive Peak Forward Current	$I_{FSM}$	$T_w=10\text{ms}$ , Triangular wave peak value. One-shot. $T_a=25^\circ\text{C}$	15	A
Non-repetitive Peak Reverse Current	$I_{RSM}$	$T_w=1\text{ms}$ . Rectangular-wave. One-shot. $T_a=25^\circ\text{C}$	50	mA
Allowable Junction Temperature	$T_j$		120	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$		-30 to +130	$^\circ\text{C}$

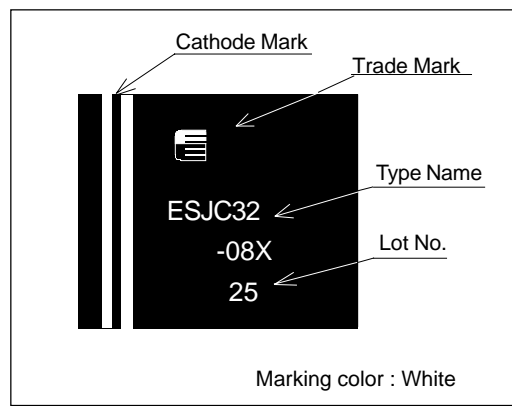
- Electrical Characteristics ( $T_a=25^\circ\text{C}$  Unless otherwise specified)

Items	Symbols	Conditions	ESJC32-08X	Units
Maximum Forward Voltage Drop	$V_F$	$I_F=350\text{mA}$	13.5	V
Maximum Reverse Current	$I_R$	$V_R=7.5\text{kV}$	10	$\mu\text{A}$
Minimum Reverse Recovery Time	$t_{rr}$	$I_F=100\text{mA}$ , $I_R=100\text{mA}$ 90% Recovery	0.15	$\mu\text{s}$

### Outline Drawings



### Cathode Mark, Type Name



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## ■ Characteristics

