

ESJA28

(2.2kV, 2.7kV/10mA)

HIGH VOLTAGE DIODE

ESJA19 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

- High reliability design.
- Ultra small package.
- High temperature resistivity

Applications

- Distributor-less Ignition system of Coil Distributed Type for Automobile

Maximum Ratings and Characteristics

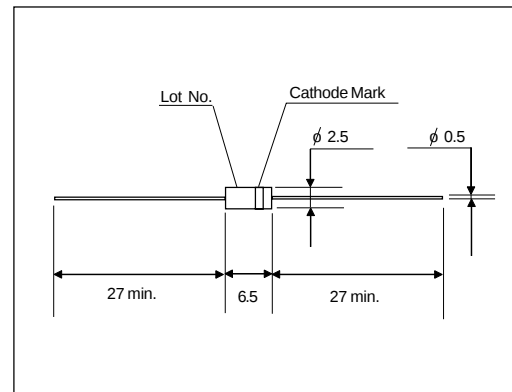
- Absolute Maximum Ratings

Items	Symbols	Condition	ESJA28		Units
			-02S	-03	
Repetitive Peak Reverse Voltage	V_{RRM}	$f=60\text{Hz}$	2.2	2.7	kV
Non-Repetitive Peak Reverse Voltage	V_{RSM}	Ignition Pulse $f=150\text{Hz}, 1\text{minute}$	2.5	3.0	kV
Average Output Current	I_o	60 Hz Sine wave	10		mA
Surge Current	I_{FSM}	60 Hz Sine-half wave peak value	1.0		A
Operating Junction Temperature	T_j		150		°C
Storage Temperature	T_{stg}		-40 to +150		°C

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

Items	Symbols	Conditions	ESJA28		Units
			-02S	-03	
Maximum Forward Voltage Drop	V_F	$I_F=10\text{mA}$	7	8.4	V
Maximum Reverse Current	I_{R1}	$V_R=2.2\text{kV}$	5		μA
Maximum Reverse Current	I_{R2}	$V_R=2.5\text{kV}$	10		μA
Minimum Avalanche Breakdown Voltage	V_Z	$I_Z=100\mu\text{A}$	2.7		kV

Outline Drawings



Cathode Mark

Type	Mark
ESJA28-02S	
ESJA28-03	

ESJA28(2.2kV,2.7kV/5mA)

Characteristics

