**Fast Recovery High Voltage Diodes**

**Reverse Voltage – 8kV**

**Forward Current –10mA**

## FEATURES

- Supersmall size
- High reliability
- High speed switching

## MECHANICAL DATA

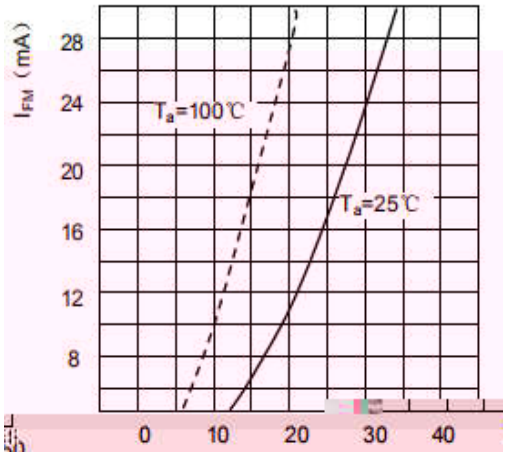
- Case: Molded Plastic Body
- Epoxy meets UL 94V-0 flammability rating
- Terminals: Pure tin plated leads, solderable per J-STD-002and JESD22-B102, E3 suffix for consumer grade, meet JESD201class 1A whisker test.
- Polarity: Color band denotes cathode end

## Maximum rating (Ta=25°C unless otherwise noted)

| Parameter | Symbol | 2CL11 | Unit |
|---|---|---|---|
| Repetitive peak reverse voltage | $V_{RRM}$ | 8 | KV |
| Non-Repetitive peak reverse voltage | $V_{RSM}$ | 10 | KV |

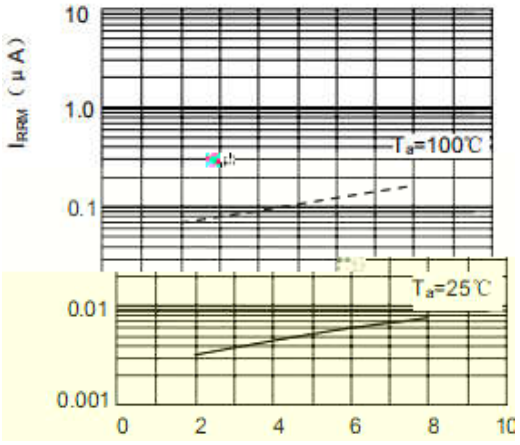
Average forward current 60Hz

## Ratings and Characteristic Curves



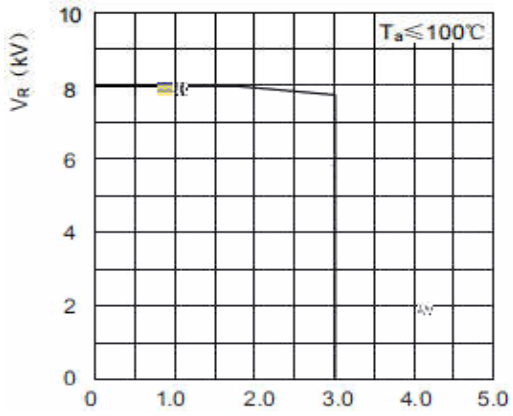

$V_{FM}$（V）

Forward Characteristics




$V_{RM}$（kV）

Reverse Characteristics




$I_{F(AV)}$（mA）

$V_R$—$I_{F(AV)}$

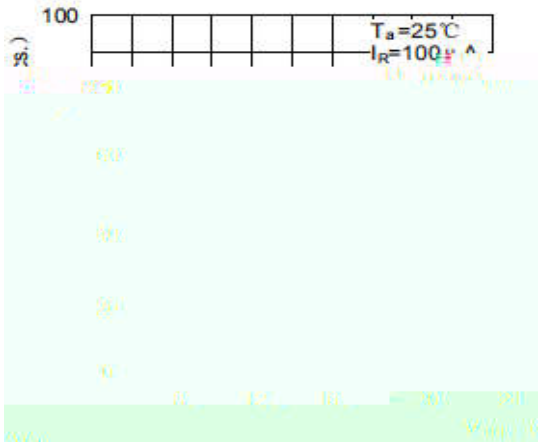
$V_R$—$I_{F(AV)}$ Curve



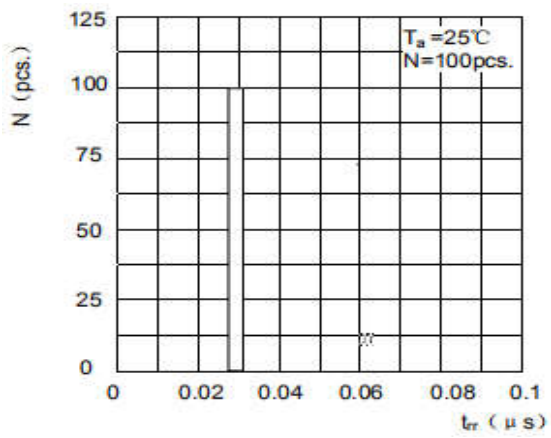

$f_H$（kHz）

$I_{F(AV)}$—$f_H$

$I_{F(AV)}$—$f_H$ Curve




Breakdown Voltage Distribution




Reverse Recovery Time Distribution

## Ordering information

**Package**