Fast Recovery High Voltage Diodes

Reverse Voltage – 8kV

Forward Current –10mA

FEATURES

- Supersmall size
- High reliability
- High speed switching

MECHANICAL DATA

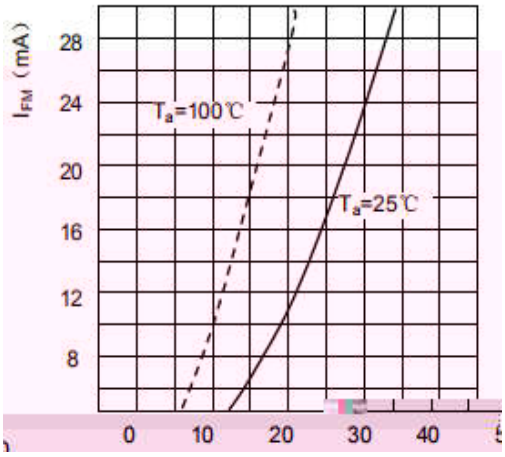
- Case: Molded Plastic Body
- Epoxy meets UL 94V-0 flammability rating
- Terminals: Pure tin plated leads, solderable per J-STD-002and JESD22-B102, E3 suffix for consumer grade, meet JESD201class 1A whisker test.
- Polarity: Color band denotes cathode end

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

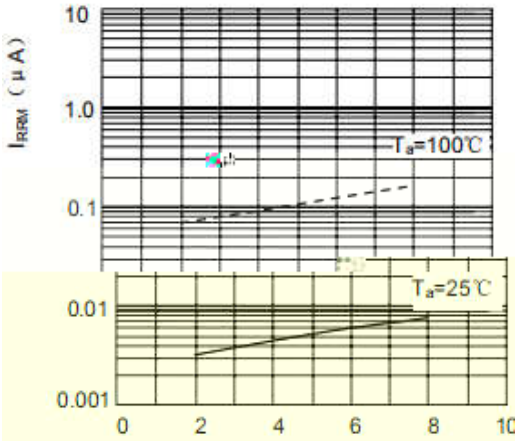
Average forward current 60Hz

Ratings and Characteristic Curves



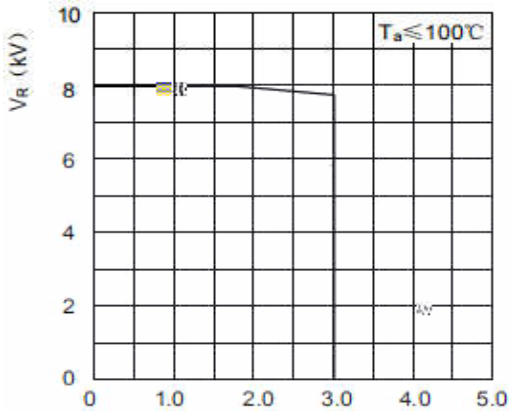
V_{FM}（V）

Forward Characteristics



V_{RM}（kV）

Reverse Characteristics



$I_{F(AV)}$（mA）

V_R—$I_{F(AV)}$

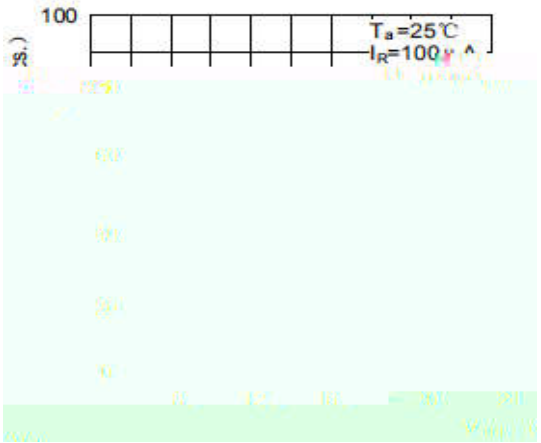
V_R—$I_{F(AV)}$ Curve



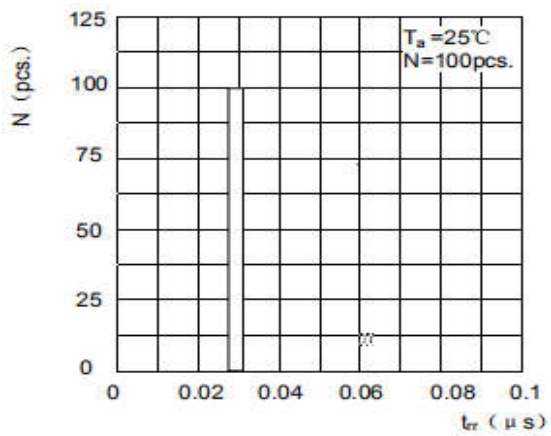
f_H（kHz）

$I_{F(AV)}$—f_H

$I_{F(AV)}$—f_H Curve



Breakdown Voltage Distribution



Reverse Recovery Time Distribution

Ordering information

Package

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