## SWITCHING DIODE

PINNING

| PIN | DESCRIPTION |
| :---: | :--- |
| 1 | Cathode |
| 2 | Anode |



Absolute Maximum Ratings ( $\mathrm{T}_{\mathrm{a}}=25^{\circ} \mathrm{C}$ )

| Parameter | Symbol | Value | Unit |
| :--- | :---: | :---: | :---: |
| Peak Repetitive Reverse Voltage | $\mathrm{V}_{\text {RRM }}$ | 70 | V |
| Average Rectified Forward Current | $\mathrm{I}_{\mathrm{F}(\mathrm{AV})}$ | 200 | mA |
| Non-repetitive Peak Forward Surge Currentat $\mathrm{t}=1 \mathrm{~s}$ <br> at $\mathrm{t}=1 \mu \mathrm{~s}$ | $\mathrm{I}_{\mathrm{FSM}}$ | 1 | A |
| Power Dissipation | $\mathrm{P}_{\mathrm{d}}$ | 250 | mW |
| Operating Junction Temperature Range | $\mathrm{T}_{\mathrm{j}}$ | 150 | ${ }^{\circ} \mathrm{C}$ |
| Storage Temperature Range | $\mathrm{T}_{\text {stg }}$ | -55 to +150 | ${ }^{\circ} \mathrm{C}$ |

Characteristics at $\mathrm{T}_{\mathrm{a}}=25^{\circ} \mathrm{C}$

| Parameter | Symbol | Min. | Max. | Unit |
| :--- | :---: | :---: | :---: | :---: |
| $\begin{array}{c}\text { Reverse Voltage } \\ \text { at } I_{R}=100 ~\end{array} \mathrm{~A}$ |  |  |  |  |$)$



Forward characteristics


Capacitance between terminals characteristics


Reverse characteristics


FORWARD CURRENT：IF（mA）
Reverse recovery time

## PACKAGE OUTLINE



| UNIT | A | $\mathrm{b}_{\rho}$ | C | D | E | $\mathrm{H}_{\mathrm{E}}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| mm | 1.10 | 0.40 | 0.15 | 1.80 | 1.35 | 2.80 |
|  | 0.80 | 0.25 | 0.00 | 1.60 | 1.15 | 2.30 |

