## Switching diode <br> DA204K

## - Applications

Ultra high speed switching

## -Features

1) Small mold type. (SMD3)
2) High reliability

## -Construction

Silicon epitaxial planar
-External dimensions (Unit : mm)

(1)D2:C (2)D1:A
(3)D1:C D2:A

ROHM : SMD3
JEDEC :SOT-346
JEITA: SC-59
a.......... week code
-Land size figure (Unit : mm)


- Structure

- Taping specifications (Unit : mm)

- Absolute maximum ratings $\left(\mathrm{Ta}=25^{\circ} \mathrm{C}\right)$

| Parameter | Symbol | Limits | Unit |
| :--- | :---: | :---: | :---: |
| Reverse voltage (repetitive peak) | $\mathrm{V}_{\mathrm{RM}}$ | 20 | V |
| Reverse voltage (DC) | $\mathrm{V}_{\mathrm{R}}$ | 20 | V |
| Forward current (Single) | $\mathrm{I}_{\mathrm{FM}}$ | 200 | mA |
| Average rectified forward current (Single) | Io | 100 | mA |
| Surge current $(\mathrm{t}=1 \mu \mathrm{~s})$ | $\mathrm{I}_{\text {surge }}$ | 300 | mA |
| Power dissipation | Pd | 200 | mW |
| Junction temperature | Tj | 150 | ${ }^{\circ} \mathrm{C}$ |
| Storage temperature | Tstg | -55 to +150 | ${ }^{\circ} \mathrm{C}$ |

- Electrical characteristics $\left(\mathrm{Ta}=25^{\circ} \mathrm{C}\right)$

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Forward voltage | $\mathrm{V}_{\mathrm{F}}$ | - | - | 1.0 | V | $\mathrm{I}_{\mathrm{F}}=10 \mathrm{~mA}$ |
| Reverse current | $\mathrm{I}_{\mathrm{R}}$ | - | - | 0.1 | $\mu \mathrm{~A}$ | $\mathrm{~V}_{\mathrm{R}}=15 \mathrm{~V}$ |
| Capacitance between terminals | Ct | - | - | 4.0 | pF | $\mathrm{V}_{\mathrm{R}}=6 \mathrm{~V}, \mathrm{f}=1 \mathrm{MHz}$ |

## Diodes

- Electrical characteristic curves $\left(\mathrm{Ta}=25^{\circ} \mathrm{C}\right)$




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