## Schottky barrier diode

## RB081L-20

## - Applications

General rectification

## -Features

1) Small power mold type. (PMDS)
2) Low $V_{F}$, Low $I_{R}$.
3) High reliability.

## -Construction

Silicon epitaxial planar


- Land size figure (Unit : mm)

- Structure

- Taping specifications(Unit : mm)

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

| Parameter | Symbol | Limits | Unit |
| :--- | :---: | :---: | :---: |
| Reverse voltage (repetitive peak) | $\mathrm{V}_{\mathrm{RM}}$ | 25 | V |
| Reverse voltage (DC) | $\mathrm{V}_{\mathrm{R}}$ | 20 | V |
| Average rectified forward current (*1) | Io | 5 | A |
| Forward current surge peak (60Hz $\cdot 1 \mathrm{cyc})$ | $\mathrm{I}_{\mathrm{FSM}}$ | 70 | A |
| Junction temperature | Tj | 125 | ${ }^{\circ} \mathrm{C}$ |
| Storage temperature | Tstg | -40 to +125 | ${ }^{\circ} \mathrm{C}$ |

(*1) Mounted on epoxy board. $180^{\circ}$ Harf sine wave

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

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| Forward voltage | $\mathrm{V}_{\mathrm{F}}$ | - | - | 0.45 | V | $\mathrm{I}_{\mathrm{F}}=0.5 \mathrm{~A}$ |
| Reverse current | $\mathrm{I}_{\mathrm{R}}$ | - | - | 700 | $\mu \mathrm{~A}$ | $\mathrm{~V}_{\mathrm{R}}=20 \mathrm{~V}$ |

## Diodes

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




ESD DISPERSION MAP

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