## Panasonic

## DA3S102D0L

## Silicon epitaxial planar type

For high speed switching circuits DA3J102D in SSMini3 type package

- Features
- Short reverse recovery time trr
- Low terminal capacitance Ct
- Halogen-free / RoHS compliant (EU RoHS / UL-94 V-0 / MSL:Level 1 compliant)

■ Marking Symbol: 23

- Basic Part Number :

2 elements anode-common type
Packaging
Embossed type (Thermo-compression sealing) : 3000 pcs / reel (standard)

1. Cathode1
2. Cathode2
3. Anode1,2

| Panasonic | SSMini3-F3-B |
| :---: | :---: |
| JEITA | SC-89 |
| Code | SOT-490 |

Internal Connection


Electrical Characteristics $\mathrm{Ta}=25^{\circ} \mathrm{C} \pm 3^{\circ} \mathrm{C}$

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
| :--- | :---: | :--- | :---: | :---: | :---: | :---: |
| Forward voltage | VF | $\mathrm{IF}=100 \mathrm{~mA}$ |  | 1.2 | V |  |
| Reverse voltage | VR | $\mathrm{IR}=100 \mu \mathrm{~A}$ | 80 |  |  | V |
| Reverse current | IR | $\mathrm{VR}=80 \mathrm{~V}$ |  | 100 | nA |  |
| Terminal capacitance | Ct | $\mathrm{VR}=0 \mathrm{~V}, \mathrm{f}=1 \mathrm{MHz}$ |  | 15 | pF |  |
| Reverse recovery time $^{* 1}$ | trr | $\mathrm{IF}=10 \mathrm{~mA}, \mathrm{VR}=6 \mathrm{~V}$ <br> $\mathrm{Irr}=0.25 \times \mathrm{IR}$ |  |  | 10 | ns |

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 Measuring methods for Diodes.
2. Absolute frequency of input and output is 100 MHz .
3. *1: trr test circuit


Input Pulse

$\mathrm{t}_{\mathrm{p}}=2 \mu \mathrm{~s}$
$\mathrm{t}_{\mathrm{r}}=0.35 \mathrm{~ns}$
$\delta=0.05$

Output Pulse

$\mathrm{I}_{\mathrm{F}}=10 \mathrm{~mA}$
$\mathrm{V}_{\mathrm{R}}=6 \mathrm{~V}$

## Technical Data (reference)






■Land Pattern (Reference) (Unit: mm)


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