

DA37103E

Silicon epitaxial planar type

For high speed switching circuits
 2 elements cathode-common type
 DA3S103E in SSSMini3 type package

■ Features

- Short reverse recovery time t_{rr}
- Low terminal capacitance C_t
- Contributes to miniaturization of sets, reduction of component count.
- Eco-friendly Halogen-free package

■ Packaging

Embossed type (Thermo-compression sealing): 10000 pcs / reel (standard)

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|---|-----------|-------------|------------------|
| Reverse voltage | V_R | 80 | V |
| Maximum peak reverse voltage | V_{RM} | 80 | V |
| Forward current | Single | 100 | mA |
| | Double | 150 | mA |
| Peak forward current | Single | 225 | mA |
| | Double | 340 | mA |
| Non-repetitive peak forward surge current * | Single | 500 | mA |
| | Double | 750 | mA |
| Junction temperature | T_j | 150 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +150 | $^\circ\text{C}$ |

Note) *: 1 t = 1 s

■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

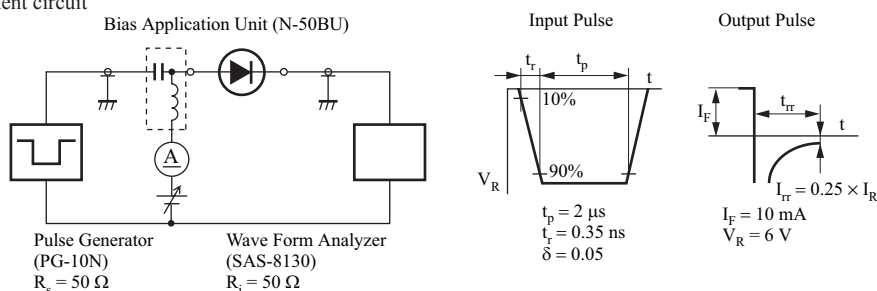
| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|-------------------------|----------|--|-----|-----|-----|------|
| Forward voltage | V_F | $I_F = 100 \text{ mA}$ | | | 1.2 | V |
| Reverse voltage | V_R | $I_R = 100 \mu\text{A}$ | 80 | | | V |
| Reverse current | I_R | $V_R = 80 \text{ V}$ | | | 100 | nA |
| Terminal capacitance | C_t | $V_R = 0 \text{ V}, f = 1 \text{ MHz}$ | | 2 | 15 | pF |
| Reverse recovery time * | t_{rr} | $I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{Tr} = 0.25 \times I_R$ | | 2 | 10 | ns |

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. Absolute frequency of input and output is 100 MHz

*: t_{rr} measurement circuit

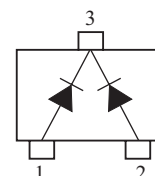


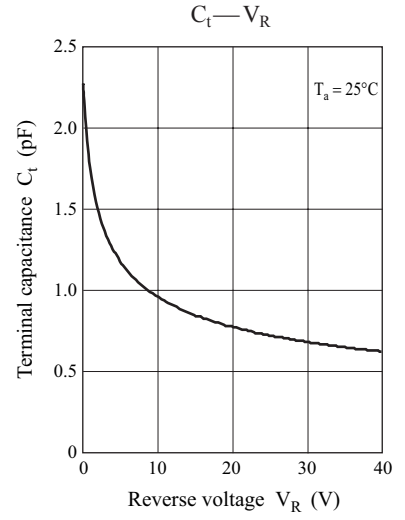
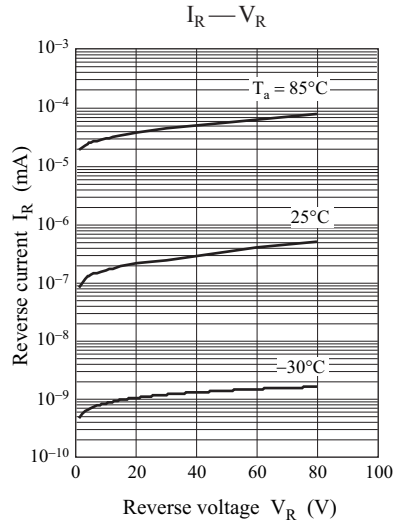
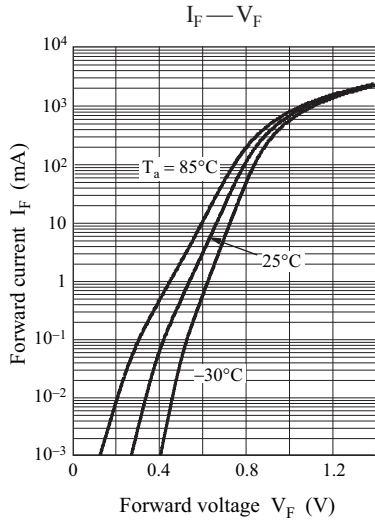
■ Package

- Code
SSSMini3-F2-B
- Pin Name
1: Anode-1 3: Cathode-1
2: Anode-2 Cathode-2

■ Marking Symbol: 24

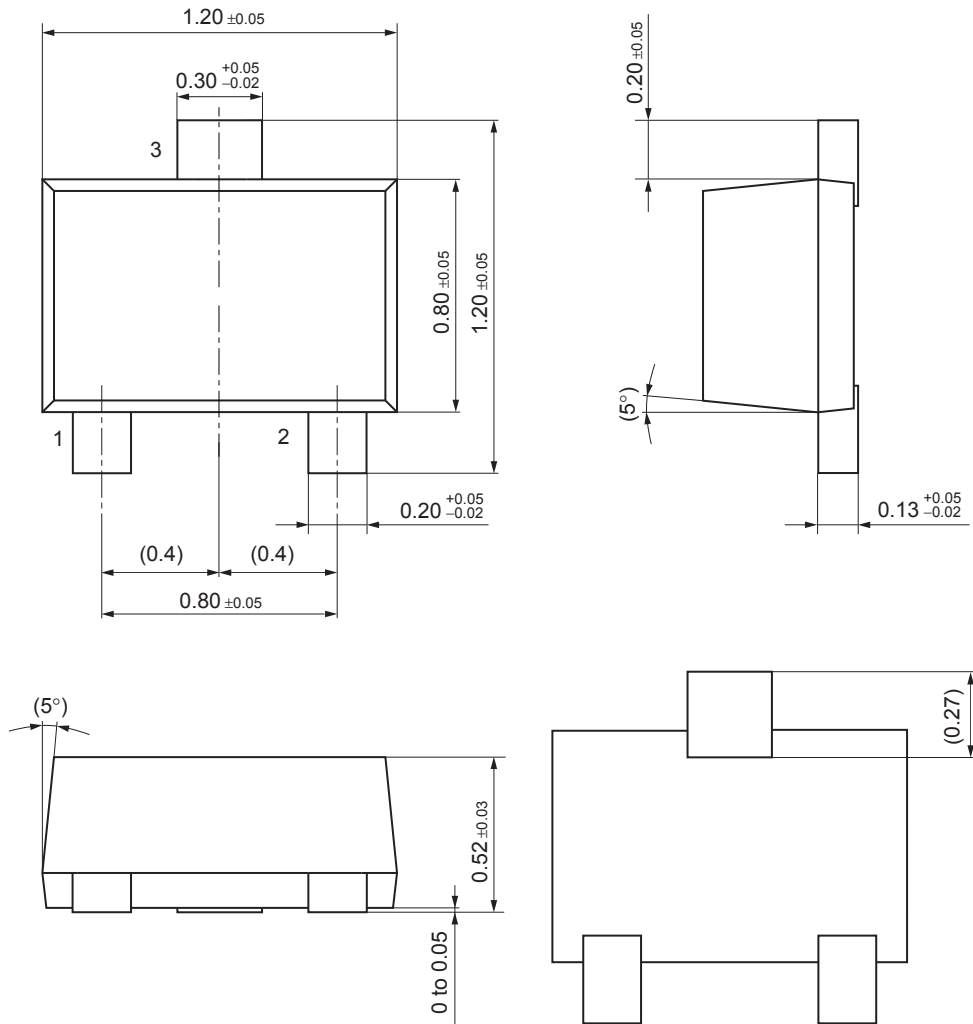
■ Internal Connection





SSSMini3-F2-B

Unit: mm



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