Panasonic

MAS3132E

Silicon epitaxial planar type

For high-speed switching circuits

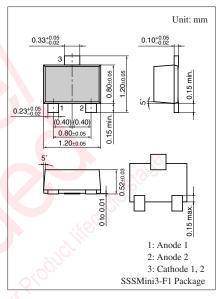
■ Features

- Two elements are contained in one package, allowing highdensity mounting
- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t

■ Absolute Maximum Ratings $T_a = 25$ °C

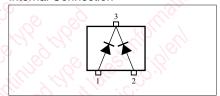
| t |
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| |
| ×6 |
| |

Note) *: t = 1 s



Marking Symbol: MU

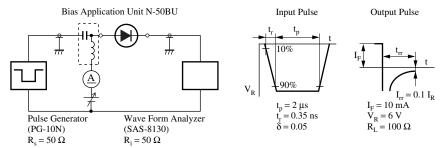
Internal Connection



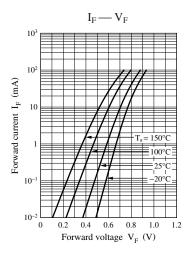
■ Electrical Characteristics T_a = 25°C ± 3°C

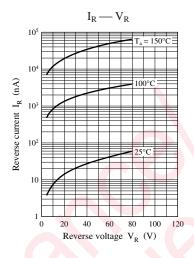
| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|-------------------------|-----------------|--|------|-----|-----|------|
| Forward voltage | $V_{\rm F}$ | I _F = 100 mA | 1.90 | | 1.2 | V |
| Reverse voltage | V_R | $I_R = 100 \mu A$ | 80 | | | V |
| Reverse current | I_R | V _R = 75 V | | | 100 | nA |
| Terminal capacitance | C _t | $V_R = 0 \text{ V, f} = 1 \text{ MHz}$ | | | 2 | pF |
| Reverse recovery time * | t _{rr} | $I_F = 10 \text{ mA}, V_R = 6 \text{ V}$ | | | 3 | ns |
| "VSI | | $I_{rr} = 0.1 I_R$, $R_L = 100 \Omega$ | | | | |

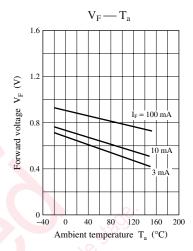
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring method for diodes.
 - 2. Absolute frequency of input and output is 100 MHz.
 - 3. *: t_{rr} measurement circuit

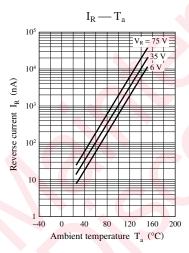


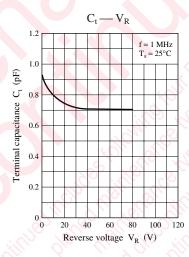
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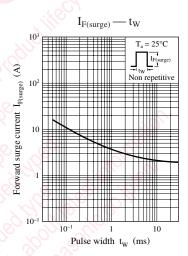












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