

MA6X129 (MA129)

Silicon epitaxial planar type

For small power current rectification

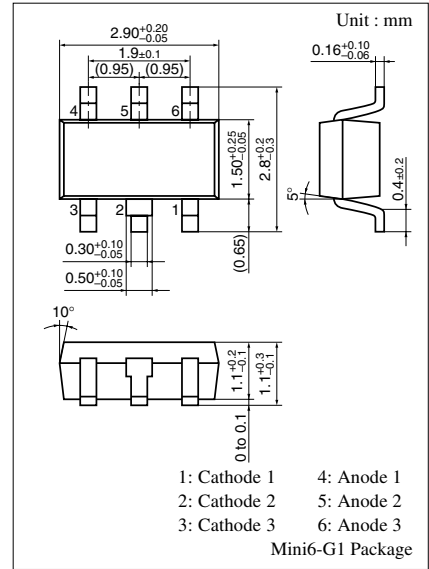
■ Features

- Three isolated elements contained in one package, allowing high-density mounting
- Allowing high voltage rectification

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

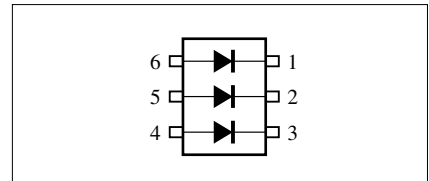
| Parameter | Symbol | Rating | Unit |
|--|-----------|-------------|------------------|
| Reverse voltage (DC) | V_R | 200 | V |
| Peak reverse voltage | V_{RM} | 200 | V |
| Output current | Single | I_O | 100 |
| | Triple | | 200 |
| Repetitive peak forward current | Single | I_{FRM} | 200 |
| | Triple | | 600 |
| Non-repetitive peak forward surge current* | Single | I_{FSM} | 350 |
| | Triple | | 1 000 |
| Junction temperature | T_j | 150 | $^\circ\text{C}$ |
| Storage temperature | T_{stg} | -55 to +150 | $^\circ\text{C}$ |

Note) * : $t = 1\text{ s}$



Marking Symbol: M4F

Internal Connection

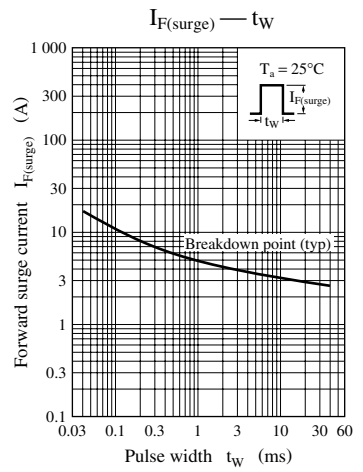
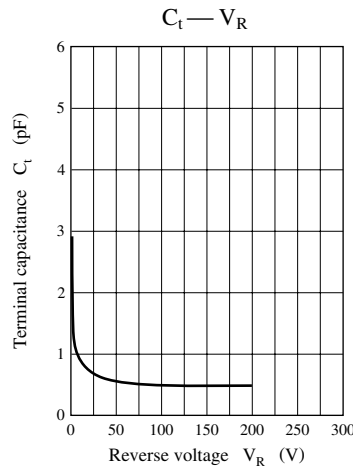
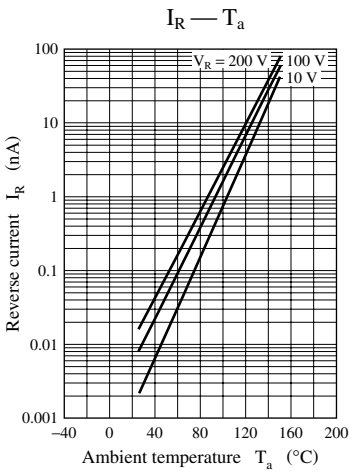
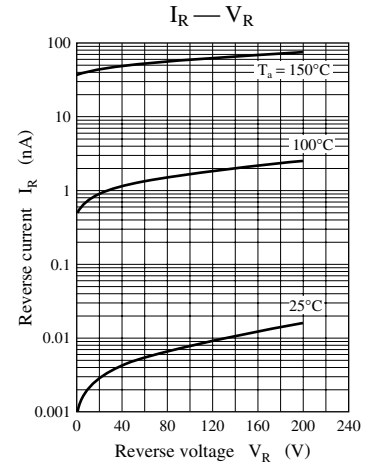
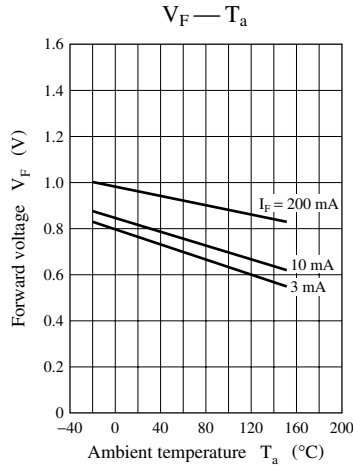
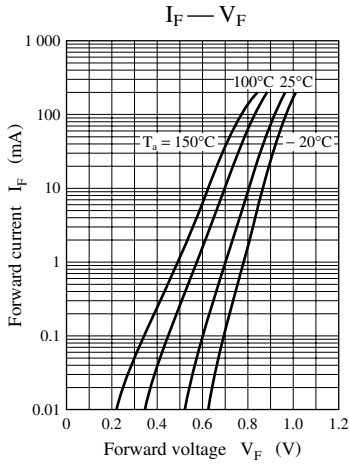


■ Electrical Characteristics $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Conditions | Min | Typ | Max | Unit |
|----------------------|--------|--------------------------------------|-----|-----|-----|---------------|
| Reverse current (DC) | I_R | $V_R = 200\text{ V}$ | | | 0.2 | μA |
| Forward voltage (DC) | V_F | $I_F = 200\text{ mA}$ | | | 1.2 | V |
| Terminal capacitance | C_t | $V_R = 0\text{ V}, f = 1\text{ MHz}$ | | 4.5 | | pF |

Note) Rated input/output frequency: 3 MHz

Note) The part number in the parenthesis shows conventional part number.



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