MA4X726 (MA726)

Silicon epitaxial planar type

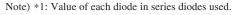
For super high speed switching For small current rectification

■ Features

- Two isolated elements are contained in one package, allowing high-density mounting
- Two MA3X721 (MA721) is contained in one package (two diodes in a different direction)
- Forward current (Average) $I_{F(AV)} = 200$ mA rectification is possible

■ Absolute Maximum Ratings $T_a = 25$ °C

| Parameter | | Symbol | Rating | Unit |
|---------------------------------|-----------|--------------------|-------------|------|
| Reverse voltage | | V_R | 30 | V |
| Repetitive peak reverse voltage | | V _{RRM} | 30 | V |
| Peak forward | Single | I_{FM} | 300 | mA |
| current | Series *1 | | 225 | |
| Forward current | Single | I _{F(AV)} | 200 | mA |
| (Average) | Series *1 | | 150 | |
| Non-repetitive peak | Single | I_{FSM} | 1.00 | A |
| forward surge current *2 | Series *1 | | 0.75 | |
| Junction temperature | | T _j | 150 | °C |
| Storage temperature | | T _{stg} | -55 to +150 | °C |

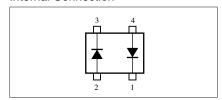


^{*2:} The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

2.90^{+0.02} Unit: mm 2.90^{+0.02} 0.16^{+0.1} 1.9±0.2 (0.95) (0.95) 0.95) 0.16^{+0.1} 0.05 1.9±0.2 (0.95) 0.95) 1.9±0.2 (0.95) 0.95) 1.9±0.2 (0.95) 0.95 1.9±0.2 (0.95) 0.95 1.9±0.2 (0.95) 0.95 1.1. Cathode 1 2. Anode 2 3. Cathode 2 4. Anode 1 EIAJ: SC-61 Mini4-G1 Package

Marking Symbol: M1O

Internal Connection

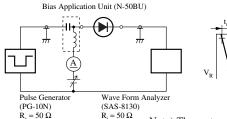


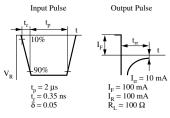
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

| Parameter | Symbol | Conditions | Min | Тур | Max | Unit |
|-------------------------|-----------------|----------------------------------------------|-----|-----|------|------|
| Forward voltage | V _F | $I_F = 200 \text{ mA}$ | | | 0.55 | V |
| Reverse current | I_R | $V_R = 30 \text{ V}$ | | | 50 | μΑ |
| Terminal capacitance | C _t | $V_R = 0 \text{ V, } f = 1 \text{ MHz}$ | | 30 | | pF |
| Reverse recovery time * | t _{rr} | $I_F = I_R = 100 \text{ mA}$ | | 3.0 | | ns |
| | | $I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$ | | | | |

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 1 GHz.



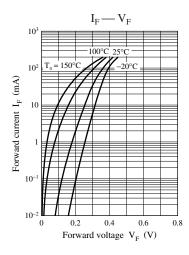


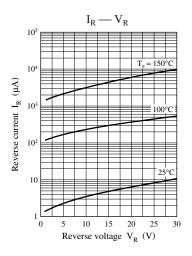
4. *: t_{rr} measurement circuit

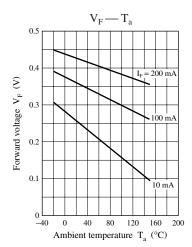
Note) The part number in the parenthesis shows conventional part number.

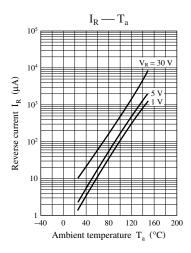
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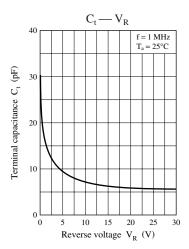
Panasonic











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