

- TH972M uses a ceramic base for its components. The bottom of the ceramic base is flat with a gap of 0.05 mm or less when TH972M is placed on a flat surface. The ceramic base is not perfectly flat, so it could crack if an excessive load is applied.
- When installing the TH972M with a mounting bracket, place it on a flat surface of the object to be protected (e.g. heater) and make contact with the flat surface of the mounting bracket, which has a larger area than the metal cover. The applied load shall be lower than 20 N (2 kgf).
- Applying silicone rubber between the object to be protected and the ceramic base improves thermal conduction, reduces bumps on the contact surface, and disperses pressure during installation.

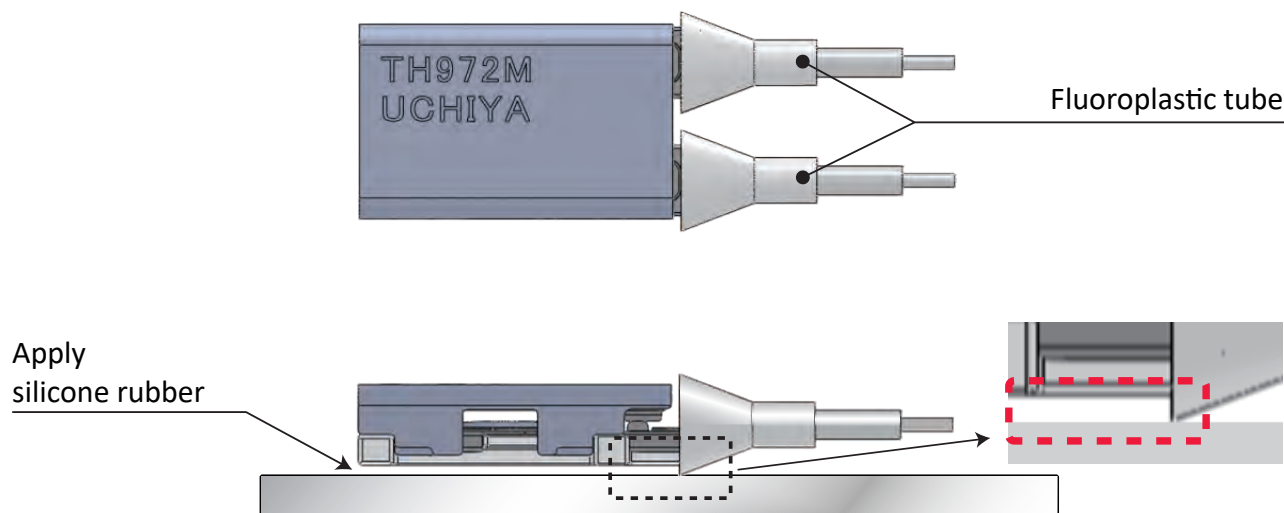
[Recommended silicone rubber]

Shin-Etsu Chemical Co., Ltd., One-component liquid rubber

Reduced low-molecular-weight siloxane KE-3493

- Product with reduced low-molecular-weight siloxane that causes electrical contact failure
- Available from -50°C to +250°C
- Heat-resistant up to +300°C if exposed to a temperature elevation for a short period of time during abnormal conditions.

- When fluoroplastic tubes are attached to protect the lead wire connections, they may protrude from the bottom of the ceramic base to the mounting surface, creating gaps. The silicone rubber can also be used to fill these gaps.



- There is another installation that TH972M is wrapped with polyimide film (e.g. Kapton®), which is also used for electrical insulation, and is lightly secured with a mounting bracket.
- When the electrical contacts are closed, no electric potential is applied to the metal cover. However, when the electrical contacts are opened, the electric potential on the B side is applied to the metal cover. If necessary, insulate the metal cover with the appropriate insulating film.
- In any case, ensure that TH972M is properly installed under your conditions of use. Loosening of the mounting bracket and TH972M could occur due to vibration. Testing for loosening due to vibration is advised.

Further information, write or call;

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