

- When installing the TH9#M, **basic and functional insulation treatments must be performed on the metal cover using a heat-resistant insulating sheet** such as polyimide film (e.g., Kapton®) or mica board. Also be sure to insulate the area between the TH9#M and the object to be protected (for example, by wrapping the outer circumference of the TH9#M with a heat-resistant insulating sheet).
- TH9#M 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 TH9#M 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 TH9#M 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.

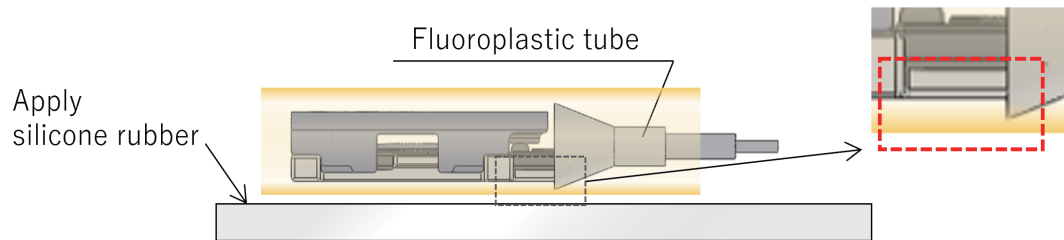
[Recommended silicone rubber]

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.



- In any case, ensure that the TH9#M is properly insulated and secured under your usage conditions. Loosening of the mounting bracket and TH9#M could occur due to vibration. Testing for loosening due to vibration is advised. In addition, for heat-resistant insulation sheets, silicone rubbers and fluoroplastic tubes, select products that meet the requirements for your specific application.

## Notes

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Further information, write or call;

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