



## TAI – THERMAL STRAP DESIGN QUESTIONS

Thank you for your interest in Thermal Straps. All our thermal straps are custom designed and manufactured here at Technology Applications, Inc. to meet customer needs. Thermal tests are typically performed to measure overall conductance before they are shipped to the customer.

In order to provide you with a preliminary assessment and budgetary cost estimate for your application, please provide the following information:

- The required thermal conductance (or) heat load and temperature drop.
- The expected operating temperatures of the source and sink.
- The geometry of the heat source and sink areas. If possible, provide a dimensional sketch showing details of the heat source and the sink including specific routing necessary for your application. The anticipated minimum bend radius is a critical parameter in the design.
- Weight restrictions.
- Expected environment (e.g., ambient pressure, shock/vibration)
- Stiffness and relative motion accommodation required between source and sink (all three axes).
- If multiple GFTS units can be used at different locations to meet the requirements.
- Quality requirements.
- Cleanliness/contamination control requirements.
- The number of units required.
- The anticipated need date(s).

Once we receive the information, we will perform a preliminary GFTS assessment for your application.

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