

THERMAL MANAGEMENT COMPONENTS

GRAPHITE FLEXIBLE THERMAL STRAPS

The FTS solution

The Flexible Thermal Strap (FTS) is a thermal management solution designed to transfer heat between surfaces without moving parts. It accommodates relative motion or displacement, making it suitable for applications with flexibility and mechanical constraints.

The FTS helps maintain operating temperatures, prevent overheating, and ensure performance. By dissipating heat while allowing movement, they provide an effective solution for thermal control in engineering applications.

Features

- Qualified models available, as well as customization service according to customer's specific needs.
- Also available in copper.



The pyrolytic graphite FTS is used in several New Space projects, because of its high conductance/weight ratio.

Manufacture your FTS

Regardless of the quantities required, LIDAX can supply from 1 unit to mass production.

Customize your FTS

Ask our team of experts, to help you find the right product or design a new one/redesign your current one to meet your specific needs

GRAPHITE FLEXIBLE THERMAL STRAP



Technical data

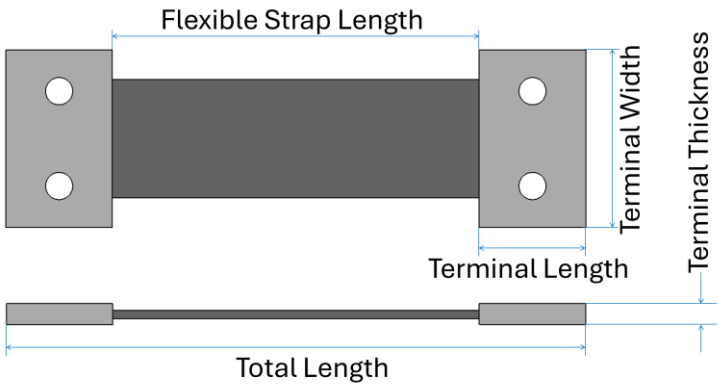
 From 17 to 240 g

 Interface Material: Al alloy

 Qualified Range
[-200°C ; + 50°C]

 From 0.10 to 1.38 W/K
(ambient conditions)

TRL  8



Terminal configuration

Model	Width (mm)	Length (mm)
A	30	18
B	40	40

Thermal conductance as per Strap length at ambient conditions (W/K)

Model	60 mm	80 mm	100 mm	120 mm	140 mm	160 mm	175 mm
A	0.23-1.45	0.19-1.25	0.16-1.10	0.14-0.99	0.12-0.89	0.11-0.81	0.10-0.76
B	0.23-1.38	0.20-1.25	0.18-1.14	0.16-1.05	0.14-0.97	0.13-0.90	0.12-0.85

Listed length values are for reference purposes. Any specific length can be chosen within the 40 to 200 mm range

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