

Thermal paste X-23-7921-5, 5g

Reference: AM5077

EAN13: -

HS code: 38249996



Product attributes:

Product features:

Color: Golden

Max. operating temperature: 120 °C

Thermal conductivity: 6.0 W/mK

Amount: 5 g

Product description:

Shin-Etsu X-23-7921-5 Thermally Conductive Paste is a thermal interface (TIM) designed to fill micro-imperfections between a heat source and a heat sink. It reduces contact thermal resistance, increases heat transfer efficiency, and is suitable for long-term operation in electronic applications. The 5 g package option is designed for service, prototyping, and routine assembly.

Technical specifications

- Type: thermal paste
- Model: X-23-7921-5
- Manufacturer/series: Shin-Etsu
- Color: gray
- Package weight: 5 g
- Thermal conductivity: 6.0 W/mK
- Thermal resistance: 5.8 mm²K/W
- Density (specific gravity): 2.8 g/cm³
- Viscosity: 360 Pa.s
- Evaporation (volatility): 0.44 (150°C/24 h)
- Oil separation rate: 0.05 (150°C/24 h)
- Working temperature: -50 to +120 °C
- Electrical insulation property: insulation coefficient 100 V / 0.25 mm

Functions and features

- Fills air gaps between component and heat sink and increases contact area
- Promotes efficient heat transfer from electronic components to the heat sink
- Non-curing for service and long-term use
- Non-corrosive to common substrates in electronics
- Good thixotropy for easy application and even spreading

Ideal for

- CPU, GPU and power semiconductors
- LED modules and power LED applications with heat sink
- Power converters, power supplies and industrial electronics
- Service replacement of thermal paste and prototype assembly

Package contents

- 1x Shin-Etsu X-23-7921-5 Thermal paste, 5 g (syringe)

Why choose this product?

- Defined parameters for thermal interface design (thermal conductivity, thermal resistance, viscosity)
- Stable properties within the specified operating temperature range
- Suitable for applications where low oil separation rates and low volatility are required

Installation and operating instructions

- Before application, clean the contact surfaces from dust, grease and remnants of the original material.
- Apply a thin, continuous layer and use the pressure of the cooler to ensure even distribution
- Remove excess material with a soft cloth.
- Store in a closed container; after opening, consume within a reasonable time according to storage and handling conditions.

Safety notice

- Avoid contact with eyes and prolonged contact with skin; wash hands after handling.
- Keep out of reach of children.
- Do not use on surfaces where contamination of optical or contact surfaces could occur.