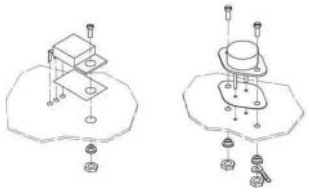
WARMELEITPASTE

Thermal Transfer Silicon Paste. Thermal conductivity - 1W/mK. Operating temperature range -30°C to +200 °C.

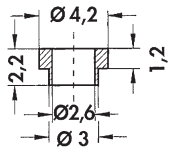
	Part No.	Ord.No.	Temp.
S	WARMELEITPASTE 1kg	63294	200°C
S	WARMELEITPASTE 35g	40267	200°C
S	WARMELEITPASTE 5g	14301	200°C

Insulating Bushes

- For use with screw mounted transistors
- Isolate transistors from heatsinks
- Nylon construction



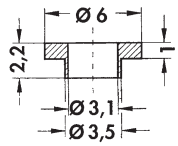
IB 4



Part No.	Suitable for	Insulating Voltage	Temperature
IB 4	TO-126	>30 KV/mm	170°C

	Part No.	Ord.No.
S	IB 4	5577

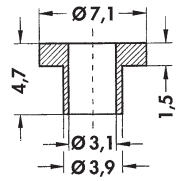
IB 6



Part No.	Suitable for	Insulating Voltage	Temperature
IB 6	TO-220, TOP-3	>30 KV/mm	163°C

	Part No.	Ord.No.
S	IB 6	13290

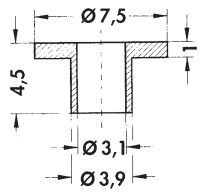
IB 1



Part No.	Suitable for	Insulating Voltage	Temperature
IB 1	TO-3	>30 KV/mm	170°C

	Part No.	Ord.No.
S	IB 1	13289

IB 14

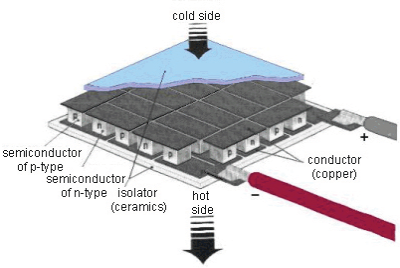


Part No.	Suitable for	Insulating Voltage	Temperature
IB 14	TO-3	>38 KV/mm	200°C

	Part No.	Ord.No.
S	IB 14	22518

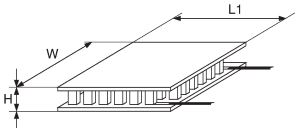
Peltier Modules

Peltier modules, also known as thermoelectric modules, are small solid-state devices that function as heat pumps. When a DC current is applied heat is moved from one side of the device to the other - where it must be removed with a heatsink. The "cold" side is commonly used to cool an electronic device such as a microprocessor or a photodetector. If the current is reversed the device makes an excellent heater.



Advanteges:

- No moving parts
- Small and lightweight
- Maintenance free
- Solid state reliability
- Acoustically silent and electrically "quiet"
- Heating or cooling
- Wide operating temperature range
- Highly precise temperature control
- Low power requirements (DC powered)
- Localized (spot) cooling
- Processing temperatures to 200°C
- Operation in any orientation
- Operation in zero gravity and high G-levels
- Environmentally friendly



Applications:

- For avionics/electronic package cooling
- Compact heat exchangers
- Precision device cooling (lasers and microprocessors)
- Long lasting cooling devices
- Small portable/stationary refrigeration
- Wafer thermal characterization
- Silicon wafer cooling
- Charge coupled device coolers
- Constant temperature baths
- Dewpoint hygrometers
- Electrophoresis cell coolers
- Infrared detectors
- Integrated circuit coolers
- Laser diode coolers

6300 / 127 / 060AX

1. 2. 3. 4. 5. 6. 7.

1. Product Line
- 63 = 150°C Maximum operating temperature
- 95 = 200°C Maximum operating temperature

2. Shape
- 0 = Standard module
- 1 = Undesignated
- 2 = 2 stage module
- 3 = 3 stage module

3. Classification number
- 0 = Standard module
- 1 = Small size module
- 2 = Miniature module
- 3 = Modules configured for laser diode applications
- 4 = High current module

4. Number of couples

5. Maximum current

0.1 Ampere increments

6. Substrate specification
- A. Standard type—plain ceramic surface
  - Miniature module (+0.15mm height tolerance)
  - Standard module (+0.25mm height tolerance)
  - 2 stage module (+0.35mm height tolerance)
- B. Lapped type – plain ceramic surface
  - Miniature module (No specification)
  - Standard module (+0.025mm height tolerance)
  - 2 stage module (+0.25mm height tolerance)
- H. Solderable metalized ceramic on hot side external surface
- M. Solderable metalized ceramic on both hot and cold side external surface

7. Options

S = RTV seal

Part No.	Imax [A]	Qmax [W]	Vmax [V]	DTmax [°C]s	W [mm]	L [mm]	H [mm]
PELTIER 6300/127/040	4	38	17,5	72	39,7	39,7	4,16
PELTIER 6300/127/060	6	57	17,5	72	39,7	39,7	4,16
PELTIER 6300/127/085	8,5	80	17,5	72	39,7	39,7	3,94
PELTIER 6301/127/030	3	29	15	72	30	30	4,16
PELTIER 6301/127/040	4	36	15	72	30	30	4,16

	Part No.	Ord.No.
S	PELTIER 6300/127/040	1828
S	PELTIER 6300/127/060	1829
S	PELTIER 6300/127/085	1830
S	PELTIER 6301/127/030	52478
S	PELTIER 6301/127/040	52479