

COOL100

Thermoelectric Cooler / Heat Sink



- Up to 250 W heat load
- High temperature accuracy
- Peltier driven, air cooled
- Available with or without peltier elements, temperature sensor and heat spread plate
- LD- and Cooler-cable included

| Parameter | Unit | Value |
|--|-----------------|-----------------------------|
| Thermal Characteristics | | |
| Max. Heat Load with a Temperature Difference between Laser Diode Module and Ambient Air of | | |
| 0 K | W | 250 |
| 5 K | | 180 |
| 10 K | | 120 |
| Max. Temperature (Hot Side) | °C | 50 |
| Temperature Difference | K | 40 |
| Thermal Resistance | K/W | 0,07 |
| Electrical Characteristics | | |
| Temperature Sensor | | NTC 10 kΩ |
| Peltier Current | A | 0 ... ±13 |
| Peltier Voltage | V | 0 ... ±48 |
| Fan Current | A | 1 |
| Fan Voltage | V | 12 |
| General Characteristics | | |
| Ambient Temperature, Operating | °C | 0 ... 30 |
| Relative Humidity, Operating | % | 30 ... 70 |
| Weight | kg | 5 |
| Dimensions | mm ³ | 270 x 280 x 130 (W x H x D) |