

COOL50

Thermoelectric Cooler / Heat Sink



- Up to 120 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	120
5 K		90
10 K		60
Max. Temperature (Hot Side)	°C	50
Temperature Difference	K	40
Thermal Resistance	K/W	0,1
Electrical Characteristics		
Temperature Sensor		NTC 10 kΩ
Peltier Current	A	0 ... ±13
Peltier Voltage	V	0 ... ±25
Fan Current	mA	800
Fan Voltage	V	12
General Characteristics		
Ambient Temperature, Operating	°C	0 ... 30
Relative Humidity, Operating	%	30 ... 70
Weight	kg	3
Dimensions	mm ³	230 x 210 x 95 (W x H x D)

