

Q-MACS Basic LH3 II

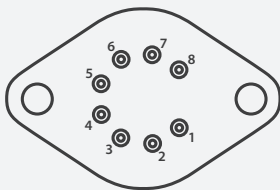
technical specification

The Q-MACS Basic LH3 II is a laser head, which enables to drive TO-3 packaged QCL by the Q-MACS Basic MC Supply. It provides all necessary power signals to control pulsed and continuous wave QC laser in a compact and robust laser driver system.



head

dimensions	80 mm x 40 mm x 25 mm* *without fittings, TO3 and connector
weight	150 g
cw current	up to 800 mA
QCL	TO-3 package* * supported TO3 pinout



- 1 TEC +
- 2 thermistor
- 3 thermistor
- 4 negative contact of the laser
- 5 positive contact of the laser
- 6 not connected
- 7 not connected
- 8 TEC -

pulse driver

supply voltage	+10 V
QCL voltage	Max. 16 V
QCL pulse current	max. 8 A
Pulse frequency	defined by external signal* up to 5 MHz * recommended hardware: Q-MACS MC/SC supply
pulse width	defined by external signal* usually max. 256ns * recommended hardware: Q-MACS MC/SC supply

temperature controller

TEC voltage	max. 4.3 V
TEC current	max. ±3 A
QCL temperature range	-25 °C to +40 °C
heat sink	air or water cooling

