

Laser controller for passively Q-switched lasers

Desktop model for CDRH certified lasers

- ▶ AC input voltage 100VAC to 240VAC (Auto Ranging), 50Hz or 60Hz
- ▶ Adjustable laser diode current limitation
- ▶ Dual bipolar thermal PID regulation
- ▶ Adjustable thermoelectric cooler driving capacity from 0A up to $\pm 2A$
- ▶ Laser diode temperature and voltage protection
- ▶ RS232 Control, Utility Connector for TTL control, Interlock laser safety connector
- ▶ Integrated Elapsed Time Monitor
- ▶ Auto-adaptation to the laser head



Desktop MLC-03A-DR0r1 for CDRH certified lasers and 100-240V AC

Module for OEM lasers with external trigger

- ▶ DC input voltage 12V
- ▶ Adjustable laser diode current limitation
- ▶ Dual bipolar thermal PID regulation.
- ▶ Adjustable thermoelectric cooler driving capacity from 0A up to $\pm 2A$
- ▶ Laser diode temperature and voltage protection
- ▶ RS232 Control, Utility Connector for TTL control, Interlock laser safety connector
- ▶ Efficiency >70 %
- ▶ External laser pulse triggering capability



Module MLC-03A-MP0r1 for OEM externally triggered lasers using 12V DC

Module and board for OEM lasers

- ▶ DC input voltage 12V
- ▶ Adjustable laser diode current limitation
- ▶ Dual Bipolar thermal PID regulations
- ▶ Adjustable thermoelectric cooler driving capacity from 0A up to $\pm 2A$
- ▶ Laser diode temperature and voltage protection
- ▶ RS232 Control, Utility Connector for TTL control, Interlock laser safety connector
- ▶ Efficiency >75%
- ▶ Auto adaptation to Laser Head



Board MLC-03A-BR0r1 for OEM lasers using 12V DC

Model	MLC-03A-DR0r1	MLC-03A-MR0r1	MLC-03A-MP0r1	MLC-03A-BR0r1
Type	Desktop	Module	Module	Board
Input voltage	100-240V AC	12V DC	12V DC	12V DC
Power consumption	<52W	<41W	<16W	<41W
Size (mm)	140x120x100	108x120x25.2	116x120x25.8	95x107x14
Weight (kg)	1.2	0.3	0.3	0.1
CE	Yes	Yes	Yes	No
CDRH	Yes	No	No	No