



LDM600: schematics

LDM600

The LDM600 module is designed for confocal measurements, based on a red laser with 650 nm wavelength, and an internal Si-diode detector.

Laser	LDM600
wavelength	650 nm
maximum optical power	500 μ W per optical port (total 1000 μ W)
minimum optical power	33 μ W per optical port
Detector	
type	Si-diode
gain	5E6 V/A (others on request)
quantum efficiency	0.8 A/W @ 650 nm
detector bandwidth	35 kHz (others on request)
detector output	0 .. +10 V
typical noise	< 1 mV
Dimensions	
type	module for ACC chassis, 19" rack
module size	3 rack units, 14 horizontal pitches (13.5 x 7.5 x 34.5 cm ³)
weight	1 kg
Electrical Supply	
voltages supplied by ACC chassis	GND, +5 V, -15 V, +15 V
ACC chassis input voltage	100/115/230 V (switchable), 50 .. 60 Hz
power consumption	max. 10 W
Interfaces	
detector output	BNC, 50 Ohm
optical ports	2x FC/APC connectors
connection to optional DAQ card	25 pin D-Sub connector on ACC chassis
Models and Part Numbers	
laser detector module	LDM600 (art. no. 1001411)
19" chassis with power supply	ACC chassis (art. no. 1002073)