

Laser module / HPLT V.4



Main features:

- solid high power IR laser
- pulsed operation
- small beam divergence
- wide supply voltage range
- wide temperature range
- watertight design, IP67

Short description

The high power infrared laser module is suitable especially for operation in pulsed mode. The design is watertight to IP67. The unit is designed for use in harsh environment. This system is ideally suited for installation on observation platforms with long range duties.

Technical Data

HPLT V.4	Value	Unit
Supply voltage	16 ... 32	V
Max. supply current	2.5	A
Optical power	930	mW
Laser class	4	
Wavelength	940	nm
Divergence (full angle)		
horizontal	1	mrad
vertical	0.3	mrad
Beam dimension at exit	14 x 14	mm
Modulation		
Frequency	4	Hz
Duty cycle	50	%
ON-OFF cycle	45/30	s
Voltage	3.3 ... 32	V
Weight	1.4	kg
Ambient temperature range	-20 ... +50	°C

Unless stated otherwise, the above is correct at room temperature and normal usage.

Wiring diagram

Wiring of the plug-less connection cable:

A	24V _{DC}
B	GND
C	Shield
D	Laser ON/Modulation
E	Laser Status

Dimensions

