HPLT V.7 DAVID

DESCRIPTION

The HPLT V.7 DAVID can be configured as an infrared target or infrared illuminator. Thanks to its robust housing and compact design, it can be easily mounted even in confined spaces. Its innovative grid system ensures that the mechanical stability of the laser beam is guaranteed even at high vibrations.

CHARACTERISTICS

- Sturdy aluminum housing
- Available with a variation of laser diodes
- Laser output 100 mW
- Superior optics for small beam divergence
- Supply voltage range: 10...35 V
- Laser axis adjustable horizontally and in elevation
- Protected against excess voltage and reversed polarity
- Water tight to IP67
- Protected against overheating
Operating voltage 10...35V
Operating current @12V max. 600mA at ambient temperature (depending on selected diode)
Wavelength drift Typical <0.3 nm/°C
Laser power <100mW (higher power up to Laser diode current ≤500mA on request)
Laser diode housing Ø9 mm (optional 5.6 mm)
Laser class (to IEC60825-1:2007) 3B (with option subject to power requirement 1 or 3R)
Operating temperature −40°C...+50°C
Laser adjustment ±30 mrad
Position accuracy <0.18 mrad
Divergence Typical <0.4 mrad HW (subject to selected diode)
Electrical connector Binder Type 712 M9 09-0416-80-05
Mechanical interface 3x M6 counter sunk screws
Housing Aluminium, black anodised
Water tight to IP67
Weight 220 g
Operating modes Mode 1: 100% CW
Mode 2: 50% CW
Mode 3: 100% Pulse 4Hz
Shock, vibration DIN ISO 9022-30-08-2, 9022-30-06-2, 9022-36-08-2, 9022-33-06-1

The operating mode is selected by applying the supply voltage (+VCC). The integrated microprocessor prohibits a malfunction if more than one mode is selected simultaneously.

Laser beams can cause damage to your eyes.
The user is responsible to observe the local safety regulations.