

Technical Data Sheet



aziza³⁵⁵

355nm cw scientific laser

10 mW

The aziza 355 laser is a high performance single transverse mode UV laser, providing a 10 mW true CW beam. A unique and innovative laser cavity design has resulted in a highly stable and near diffraction limited beam. Contained within a compact package, this extremely efficient system is suited to both laboratory and OEM applications.

Specifications

power	10 mW
wavelength	355 nm
beam size	1.5 mm
spatial mode	TEM ₀₀
divergence	< 1 mrad
M-squared	< 1.2
power stability	< 2.0 % rms*
Ellipticity	< 1 : 1.3
RMS noise	< 2.0 %
noise bandwidth	1 Hz to 6 MHz
polarisation ratio	100:1
polarisation direction	horizontal
beam angle	1 mrad**
operating temperature	20 - 40 deg C
head weight	2.9 kg
umbilical length	1.5 m
warm-up time	10 min

Features

compact design
near-diffraction limited beam
>99% spectral purity
zero stress
permanently aligned cavity
hermetically sealed
scientific power supply
OEM option
extended warranty available
single phase mains driven
diode 18,000 hours MTBF
RS232

* test duration 8 hrs

** tolerance relative to head orientation