

## INFRARED DIODE LASER AT 808nm

RN-XS-405/1~200mW

### 产品描述

It features integrated electronics, plug and play, miniaturization, international standard interface. They are the ideal solution for a wide range of applications including life sciences, environmental monitoring, inspection and machine vision

### 产品参数

| RN-XS-405/1~200mW                                    |  |
|--|--|
| Central wavelength (nm)                              | 405±5  |
| Operating mode                                       | CW   |
| Output power (mW)                                    | >1, 10, 20, ...,200  |
| Power stability (rms, over 4 hours)                  | <1%, <2%, <3%  |
| Transverse mode                                      | Near TEM <sub>00</sub>   |
| Noise of amplitude(rms,20Hz~20MHz)                   | <1%(<0.5%, optional)   |
| M <sup>2</sup> factor                                | <1.2   |
| Beam diameter at the aperture (1/e <sup>2</sup> ,mm) | ~1.2   |
| Beam divergence, full angle (mrad)                   | <1.0   |
| Polarization ratio                                   | >50:1 (>100:1, optional)<br>Horizontal±5 degree (Vertical Optional)              |
| Warm-up time (minutes)                               | <5   |
| Beam height from base plate (mm)                     | 19   |
| Operating temperature (°C)                           | 10~35  |
| Operating voltage                                    | DC12V 4A   |
| Modulation   | DMOD (TTL) up to 1MHz<br>AMOD (Analog) up to 100kHz<br>DMOD+ AMOD (TTL + Analog) |
| Expected lifetime (hours)                            | 10000  |
| Warranty   | 1 year   |