

## DIODE XS SERIES LASER AT 642nm

RN-XS-642/1~100mW

### 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-642/1~100mW	
Central wavelength (nm)	642±5
Operating mode	CW
Output power (mW)	>1, 10, 20, ...,100
Power stability (rms, over 4 hours)	<1%, <2%, <3%
Transverse mode	Near TEM00
Noise of amplitude(rms,20Hz~20MHz)	<1%(<0.5%, optional)
M2 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) 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
	AMOD (Analog) up to 100kHz
	DMOD+ AMOD (TTL + Analog)
Expected lifetime (hours)	10000
Warranty	1 year