

## INFRARED DIODE LASER FOR RAMAN SPECTROSCOPY AT 975nm

RN-D-975/1~450mW

### 产品描述

With a narrow spectral bandwidth, spectral purity and a high level of wavelength stability, FC-D-975 laser module is designed specially for Raman spectroscopy, which has integrated laser drivers and thermoelectric coolers together, its compact dimension and convenient functions make it optimal for industrial and medical applications.

### 产品参数

RN-D-975/1~450mW		
Model	FC-D-975(Spectrum Stabilized for Raman spectroscopy)	
Central wavelength (nm)	975±2	
Spectral line width (nm)	0.1(0.06, optional)	
Operating mode	CW	
Fiber core diameter	100µm, 0.22 NA	
Fiber connector	SMA905	
Output power after fiber (mW)	>1, 100, ...,450	
Power stability (rms, over 4 hours)	<1%, <2%, <3%	
Central wavelength stability (rms, over 2 hours) (pm)	<10	
Noise of amplitude (rms, 1~20MHz)	<1%	
Warm-up time (minutes)	<5	
Operating temperature (°C)	20~30	
Power supply	Adaptor(85-264VAC)	5VDC@5A
Expected lifetime (hours)	10000	
Warranty	1 year	