

### FC-D-785/1~450mW


### INFRARED DIODE LASER MODULE AT 785nm

With narrow spectral bandwidth, spectral purity and a high level of wavelength stability, FC-D-785 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.

#### SPECIFICATIONS

Model	FC-D-785 (Spectrum Stabilized)
Wavelength (nm)	785±0.3
Spectral line width (nm)	0.1, 0.2, optional
Output power after fiber (mW)	>350, >450
Central wavelength stability (rms, over 2 hours) (pm)	<10
Power stability (Pk-pk, over 4 hours)	<3%
Output fiber (optional)	100 μm @ 0.22 NA
Noise of amplitude (rms, 1~20MHz)	<0.5%, <1%
Humidity	5-95%
Connector	SMA905
Operating mode	CW
Warm-up time (minutes)	<5
Operating temperature (°C)	-10~40
Power consumption	3.0A @ 5V or 7-15VDC
TTL modulation	Optional, 0-200KHz
Rise time	<10μs
Expected lifetime (hours)	10000
Warranty	1 year



FC-D-785	Dimensions
 <p data-bbox="472 1390 748 1410">130(L)×98(W)×51(H) mm<sup>3</sup>, 0.875 kg</p>	