



FC-D-785/1~1500mW

INFRARED DIODE LASER MODULE AT 785nm

FC-D-785 laser module is designed specially for Raman spectroscopy, which have integrated laser drivers and thermoelectric coolers. Its compact dimension and convenient functions make it optimal for industrial and medical applications.



SPECIFICATIONS

Model	FC-D-785A (Spectrum Stabilized)	FC-D-785B (Normal Product)
Wavelength (nm)	785±0.3	785±5
Spectral line width (nm)	<0.2	<1.5
Output power after fiber (mW)	>1, 50, 100, ... , 700	>1, 50, 100, ... , 1500
Power stability (rms, over 4 hours)	<1%, <3%, <5%	
Noise of amplitude (rms, 1~20MHz)	<0.5%	
Output fiber (optional)	100 μm included, 200μm, 400μm optional @ 0.22 NA	
Connector	SMA905	
Operating mode	CW	
Warm-up time (minutes)	<5	
Operating temperature (°C)	10~35	
Power consumption	3.0A @ 5V or 7-15VDC	
TTL / Analog modulation	30KH, or higher upon request	
Rise time	<10μs	
Expected lifetime (hours)	10000	
Warranty	1 year	



FC-D-785



130(L)×99(W)×51(H) mm³, 0.875 kg

Dimensions

