



FC-D-785/1~450mW

**INFRARED DIODE LASER  
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.

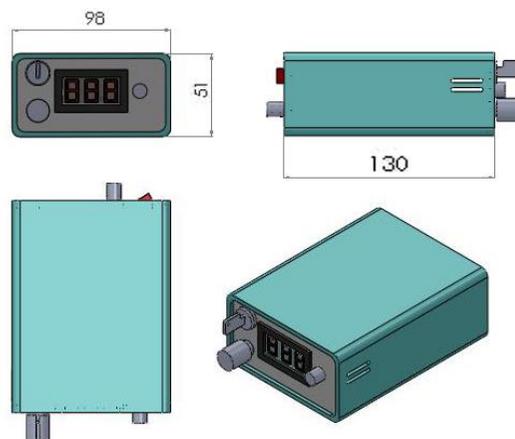


SPECIFICATIONS

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	
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)	10~35	
Power consumption	Adaptor(100-240VAC)	5VDC@5A or 7-15VDC@5A
TTL modulation	Optional, 0-200KHz	
Rise time	<10 μs	
Expected lifetime (hours)	10000	
Warranty	1 year	

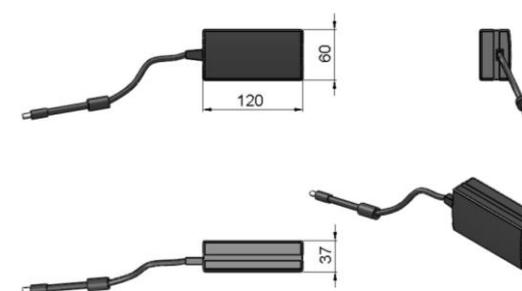


FC-D-785



130(L)×98(W)×51(H) mm<sup>3</sup>, 1.0 kg

Accessory(Adaptor)



120 (L) ×60(W) ×37 (H) mm<sup>3</sup>, 0.3kg