



RLTMFC-785D 1-450 mW



Spectrum Stabilized Diode Laser System

The RLTMFC-785D fiber coupled spectrum stabilized diode laser integrates laser diode, fiber coupling optics, laser power supply, LD current and temperature control in one box. It features compact dimension and convenient functions, such as power adjustment and LED display. RLTMFC-785D is suitable for Raman spectroscopy applications..



| Specifications | |
|---|---|
| Wavelength | 785±0.5 nm |
| Output Power | 1 – 450mW, CW |
| Fiber Core Diameter | 100 µm @ 0.22 NA |
| Central wavelength stability (rms, <2h) | < 10 pm |
| Fiber Connector | SMA905 |
| Noise of Amplitude (rms, 1-20MHz) | < 1% |
| Spectral line width | 0.2 nm |
| Output power stability | <3% |
| Rise Time | < 10 µs |
| Power Supply | 5VDC@5A / 7-15VDC@5A / 220-240VAc adaptor |
| Expected Lifetime | 10000 hours |
| Operating Temperature | -10 ... +35 °C |
| Dimension | 98 x 51 x 130 mm |
| Weight | 1 kg |
| Humidity | 5 - 95% |
| Warranty Period | 1 year |

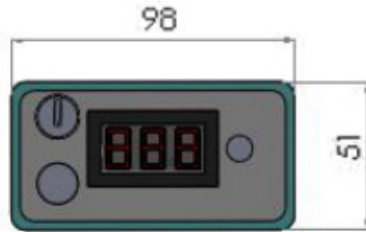
| Options | |
|------------------------|-----------|
| TTL modulation | 0-100 kHz |
| Fiber Collimator | |
| Spectral line width | < 0.1 nm |
| Output power stability | < 2%, <1% |
| Noise of amplitude | < 0,5 % |



LASER RADIATION
AVOID DIRECT EXPOSURE TO BEAM
DO NOT STARE INTO BEAM
NEVER VIEW THROUGH OPTICAL INSTRUMENTS



Package Dimensions (mm)



130 x 98 x 51 mm, 0.875 kg