



BaySpec's *MiniLite™* 785nm Series lasers are designed to enhance Analytical Raman Spectroscopy and Test & Measurement capabilities in the 785nm wavelength region. Devices benefit from low-cost field proven telecommunication components.

**Part Number:**

- LASER-C-0785 (Card mount type)
- LASER-B-0785 (Bench-top type)

**Key Features:**

- Fiber optic coupled, wide spectral coverage
- Compact size with 5V wall power plug-and-play
- Solid state light source, reliable operation in harsh environments
- Operates over wide -15 to +45°C temperature range
- Operates in high +85% relative humidity environments
- Center wavelength 785nm
- Point-and-Shoot Usage



Card-mount option



Bench-top option

**Data:**

<i>Parameter</i>	<i>Unit</i>	<i>Min.</i>	<i>Typical</i>	<i>Max.</i>
Threshold Current	mA	10		70
Operating Forward Current	mA			2000
Operating Forward Voltage	V		1.5	2.5
Fiber Coupled Output Power	mW	250	300	500
Center Wavelength	nm	784.5	785	785.5
Spectral Width (FWHM)	nm	0.05	0.2	0.3
TEC Current	A			2
TEC Voltage	V			3.0
Side Mode Suppression Ratio	dB	40		
Fiber Type	100um core Multi-mode Fiber			
Size	Card-mount: 120 x 95 x 13 mm <sup>3</sup> Benchtop: 212 x 88 x 203 mm <sup>3</sup>			

Specifications are subject to change without notice

**Applications**

- Raman Spectroscopy
- Confocal Microscopy
- Medical Diagnostics
- Fiber Optic Sensing
- NIR Spectroscopy
- T&M Source
- Laboratory Source

**Ordering Information:**

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