
580XL Series 1310/1550 nm Dual-Wavelength Laser Sources*

Center wavelength (FWHM)		
Nominal	1310 nm	1550 nm
Range	1280 to 1340 nm	1520 to 1580 nm
Spectral width (FMS)	< 5 nm	< 5 nm
Stability, 24 hours max. deviation	±0.2 dB	±0.2 db
Stability vs. temperature, -15 °C to 55 °C**	±0.5 dB	±0.5 db
Typical power output at 100%***†	-7 dBm ±0.5 dB	-7 dBm ±0.5 dB
Power output uncertainty	±0.5 dB	±0.5 dB
Optical connector interface	FC, SC, or ST	FC, SC, or ST

Functions	MOD: Modulated output mode CW: Continuous Wave output mode FREQ: Selectable modulation frequency
Modulation frequencies	270 Hz, 1 kHz, and 2 kHz (±5%) using switch inside battery compartment
Power requirements	Two AA-size alkaline batteries
Battery life	> 50 hours
Environment	
Operating temperature	-15 °C to 55 °C
Storage temperature	-35 °C to 70 °C
Humidity, non-condensing	0% to 95%
Dimensions	7.2 x 14.2 x 3.5 cm (2.8 x 5.6 x 1.4 in)
Weight	227 g (8 oz)
Laser	Class 1

* Within specified operating environment of 20 °C to 25 °C.

** Temperature is ramped up in 5 °C steps. The instrument is allowed to stabilize at each temperature for 10 minutes. The initial reference power is measured at approximately 25 °C.

*** With return loss > 30 dB.

† Power is 3 dB lower in modulated mode.

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