

Applications:

- optical coherence tomography
- optical metrology
- optical measurements

Features:

- wide optical spectrum
- less than 5 microns coherence length
- high output power
- low noise

Specifications

(Nominal Emitter Stabilization Temperature +25 °C)

Parameter	Min	Typ	Max
SM fiber output power, mW	4.0	5.0	-
Mean wavelength, nm	-	980	-
3 dB (FWHM) spectrum width, nm	200	210	-
Residual spectral modulation depth (0.05 nm resolution), %	-	2	5
Spectral flatness, %	-	30	45
Long-term stability, %*	±0.5		
Short-term stability, %**	±0.1		

* 8 hours, measurements taken every minute, 100 ms integration.

** 15 minutes, measurements taken every second, 100 ms integration.

All measurements were taken after a one-hour warm-up period at ambient temperature (22 ± 0.5) °C.

Other specifications:

Power requirements: 110 V AC or 220 V AC, 50/60 Hz

Operating temperature range: 0 °C to +40 °C

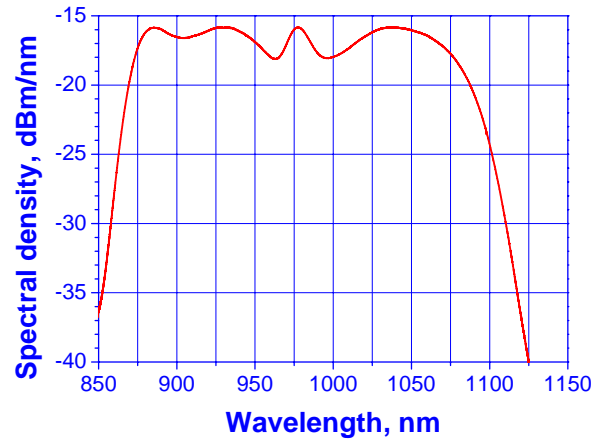
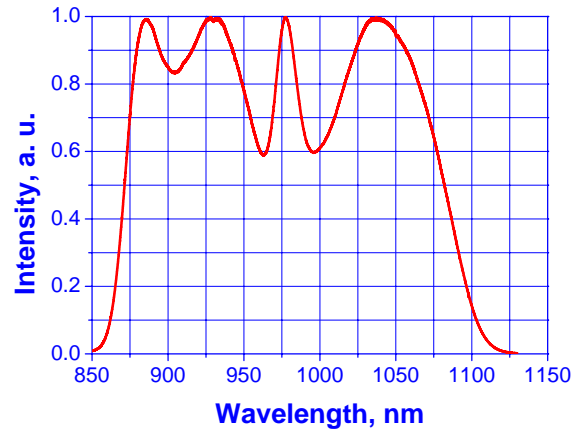
Output: FC/APC

Fiber: Corning Puremode HI 780

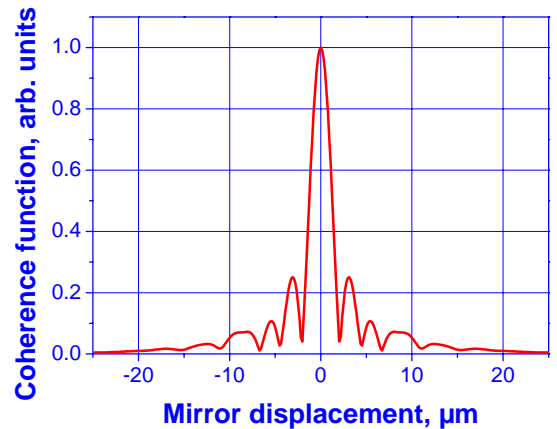
10⁻³ maximum feedback is allowed to run Broadlighter D980 safely.

PERFORMANCE EXAMPLES

Optical spectrum, linear scale



Coherence function



**Mirror displacement = Optical path difference / 2.
Spatial resolution of measurements is 0.5 micron.**

All specifications are subject to change without notice.