

High Output Power, Wide 200 nm Optical Spectrum

Q870-HP: Optical Performance Parameters

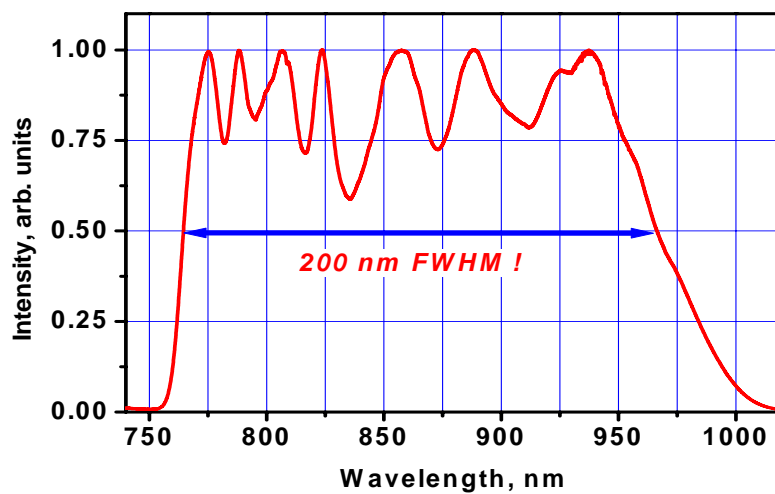
Parameter	Min	Typ	Max
SM fiber output power, mW	-	5.0	-
Mean wavelength, nm	-	870	-
3 dB (FWHM) spectrum width, nm	-	200	-
Residual spectral modulation index (< 1nm period), %	-	2.0	5.0
Spectral flatness, %	-	-	45
Long-term stability, %*	±0.5	-	-
Short-term stability, %**	±0.1	-	-

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

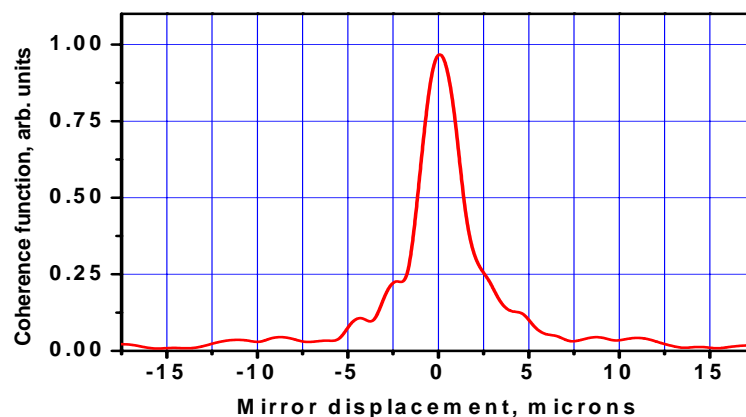
** 15 minutes, measurements taken every second, 100 ms integration.

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

Optical Spectrum



Coherence function



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

Other specifications

Supply: 110 V AC or 220 V AC, 40-60 Hz

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

Output: FC/APC, Fiber: Corning Puremode 750

All specifications are subject to change without notice.

10^{-3} maximum feedback is allowed to run Broadlighter safely at full power.