LUXA

8500-CW-1N Optical Transmitter

Light Sources

This mid-infrared optical transmitter uses a quantum cascade laser. It supports continuous-wave and pulsed operation for optical measurement and spectroscopy.



Technical specifications

Nominal wavelength (nm)	8474 to 8583 (Typical 8500)
Optical output power (mW)	250 (Typical)
Extinction ratio (dB)	12 (Typical)
Rise / fall time (ps)	500 (20% to 80%)
Supply voltage 1 (V)	10 to 15 (Typical 12)
Supply current 1 (mA)	900 to 1000
Supply voltage 2 (V)	3.3 to 5.3 (Typical 3.3)
Supply current 2 (mA)	1500 to 3000