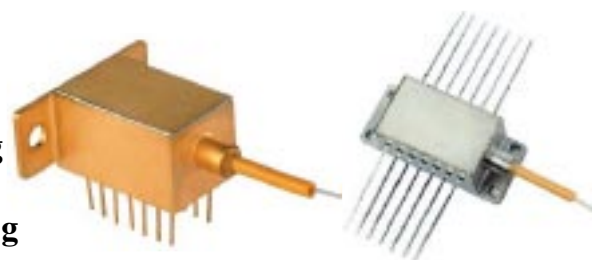


LM 2-1300 series

Fibre Coupled Superluminescent Emitting Module

Features:

- Optical output power through SM fiber
- Low ripple amplitude, low coherence
- High stability (with a built-in monitoring photodiode)
- With conductive or thermoelectric cooling



Applications:

- Optical fiber gyros and sensors
- Optical low coherence tomography (OCT)
- Fiber optic communication links
- Optical measurement systems

Parameter	Value			Unit
	Min	Typ	Max	
Output Power at the Fiber Optic Pigtail		0.5		mW
Length of Fiber Optic Pigtail	0.7			m
Operating Current			250	mA
Operating Voltage			2.5	V
Operating Wavelength		1300		nm
Spectral Width (FWHM)	30			nm
Built-in Photodiode Current @ 0.5mW	0.01			mA
Ripple Amplitude			2	%
Photodiode Supply Voltage		9+/-1		V
TE Cooler Operating Voltage			2.5	V
TE Cooler Operating Current			1.8	A
Negative Temperature Resistance Coefficient of Thermistor	-3.6		-4.0	%/°C
Operating Temperature Range	-40		+60	°C
Mode-Field Diameter of Corning SMF-28 CPC Optical Fiber		9		μm
Cladding Diameter		125+/-1		μm
Fiber Optic Connector	FC/PC, ST, SC			
Package	14 pin DIP or Butterfly #202, #203 or #204 type			
Mode of Operation	continuous-wave pulsed mode			