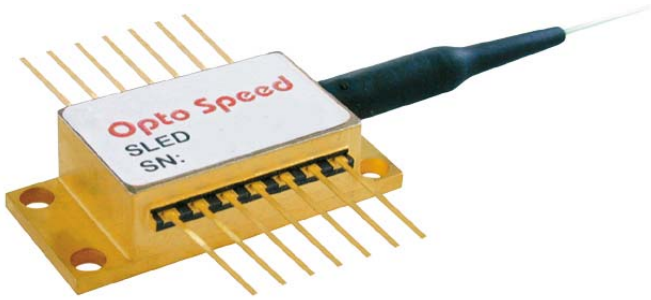
SLED1480H
Superluminescent LED Module



REV 09/01

Features

High output power in SM fibres
Very low ripple
Wide optical bandwidth

Product Description

SLED1480Hs are edge-emitting Super luminescent Light Emitting Diodes designed to have very high output power in SM fibres; they operate in the 1.48µm window. Superluminescent LED's are of great interest for optical low coherence reflectometry, spectrum-sliced wavelength division multiplexed systems, fiber-optic sensors and optical waveguide characterization. Typical applications: Polarization Mode Dispersion and Chromatic Dispersion measurements, OTDR, Gyroscopes.

Specifications @ (T_{SLED} = 20°C)

Model	Unit	SLED1480H5A		
		Min	Typ	Max
Supply current	mA	0		250
Opt. Power in SM fibre	mW	0.6	1	
3 dB optical bandwidth	nm	50	60	
Peak wavelength	nm	1460	1480	1500
Spectral ripple	dB		0.1	0.2

Packaging

14 pin Butterfly which includes Peltier cooler and 10 kΩ thermistor for device temperature stabilization and 1 m fibre pigtail.
Option: optical connector

Package specifications	Unit
Dimensions L, W, h	30, 12.7, 7.7 mm
Base plate	
Hole pitch L, W / diameter	26.0, 9.0 / 2.7 mm
Length of pins	12.7 mm
Max. Peltier current	1.8 A
Thermistor @25°C	10 kΩ
Fibre-pigtail length	1 m

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In case of optoelectronics

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