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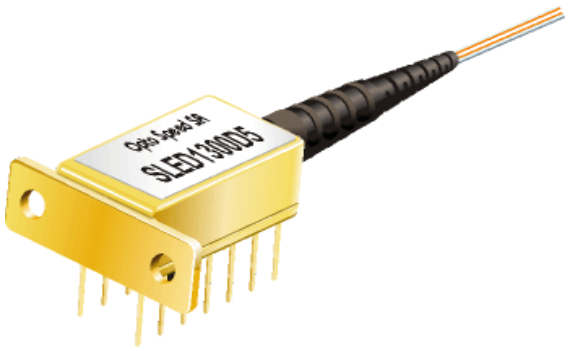
Opto Speed

Superluminescent LED Module

SLED1300D

■ FEATURES

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



■ PRODUCT DESCRIPTION

The SLED1300D is the 14 pin DIL package version of the module SLED1300M, containing a SLED1300C device. The module operates in the 1.30 µm window and is designed to have very high output power in SM or MM fibres.
The module includes a Peltier element and a 10 kΩ thermistor for device temperature stabilization and 1 m fibre pigtail.

Package specifications:

Description		Units
Dimensions L, W, h	21.7, 12.7, 12	mm
Heatsink flange W Hole span, diameter	25.4 19, 3.2	mm
Length of pins	6.2	mm
Max. Peltier current	1.8	A
Thermistor @ 25°C	10	kΩ
Fibre-pigtail length	1	m

Option: optical connector

■ SPECIFICATIONS @ T_{SLED} = 20 °C

MODEL	SLED1300D2A			SLED1300D5A			SLED1300D10A			Units
	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	
Supply current	0		200	0		150	0		250	mA
Opt. power in SM fibre	0.4	0.5		1	1.5		4	6		mW
3 dB optical bandwith	55	60		30	35		30	35		nm
Central wavelength	1290	1300	1310	1285	1310	1335	1285	1310	1335	nm
Spectral ripple		0.1	0.2		0.1	0.2		0.1	0.3	dB