

1310 nm laser diode - DFB

Model 5 : >300 mW / singlemode fiber / 14 pin Butterfly package

Reference: 1310LD-5-0-0-1/2

Technology : Fabry-Pérot*

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power (CW mode)	mW	300		
Output Power (Pulse mode)	mW		> 350	
Center Wavelength (CW)	nm	1305	1310	1315
Spectral Width (FWHM)	nm		6	12
Threshold Current	mA		150	200
Operating Current	mA		1200	1400
Operation Voltage	V		2.0	2.2
Wavelength shift w Temperature	nm/°C		0.6	
Polarization extinction rate (PER)	dB	15		
Internal Photodiode Responsivity	mA/W	5		
Internal Photodiode Dark Current	nA			500
TEC current (-5/60°C)	A			3.0
TEC Voltage (-5/60°C)	V			4.0
Internal thermistor (25°C)	kOhm	9.5	10	10.5
Fiber type	Hi1060 (PM version : PM980)			
Coating diameter	µm		900	
Fiber bend radius	mm	30		
Storage case temperature	°C	-40		70
Case operating temperature	°C	-20		60
Lead soldering temperature			260	300
Laser diode reverse voltage	V			2
Pigtail termination	FC/APC connector			
Polarization state (PM version)	Aligned to the slow axis			

*: See our tutorial : [fiber coupled laser diode](#)

Form factor & Laser diode pinning (standard 14-pin Butterfly Type-1) :

