

1064 nm laser diode – Broad Bragg

>650 mW / singlemode fiber / 10 pin Butterfly package*

Reference: 1064LD-3-0-0

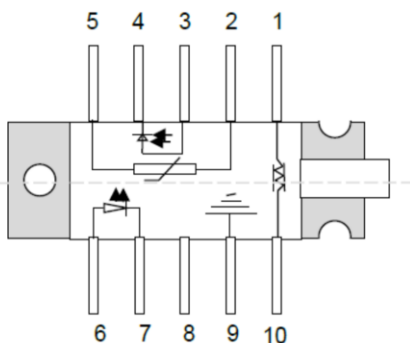
Technology : Fabry Perrot with broad FBG**

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power (nominal/kink free)	mW	500/600	650/720	
Output Power (Pulse mode)	mW	1400	2000	
Center Wavelength (CW/Pulsed)	nm	1062.0	1064.0	1066.0
Spectral Width (FWHM)	nm		2	4
Threshold Current	mA		60	80
Operating Current	mA		1100	
Operation Voltage	V		1.7	2.5
Polarization Extinction Ratio	dB		13	
Internal Photodiode Responsivity	mA/W	0.5		40
Internal Photodiode Dark Current	nA			50
TEC current (Case @ 75°C)	A			1.5
TEC Voltage (Case @ 75°C)	V			3.0
Internal thermistor (25°C)	kOhm	9	10	11
Fiber type	PM fiber : SM98-PS-U25D-H or Nufern PM980-HP			
Fiber bend radius	mm	20 (abs min)		
Coating diameter	µm	230	250	270
Storage case temperature	°C	-40 (abs min)		85 (abs max)
Lead soldering temperature	°C			350
Laser diode reverse voltage	V			2.0
Fiber termination	Bare fiber – Optional FC/APC connector			
Polarization state	Aligned to the slow axis			

*: 10 pin Butterfly packages are compatible with all AeroDIODE Drivers (The pinning is very similar to a Type-1 Butterfly laser diode pinning)

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

Form factor:



Laser diode pinning :



Pin	Description	Pin	Description
1	TEC (+)	6	Laser anode (+)
2	Thermistor	7	Laser cathode (-)
3	Monitor anode (-)	8	NC
4	Monitor cathode (+)	9	Package ground
5	Thermistor	10	TEC (-)