

1060 nm laser diode

Model 1: 700 mW / singlemode fiber / Butterfly package

Reference: 1060LD-1-0-0

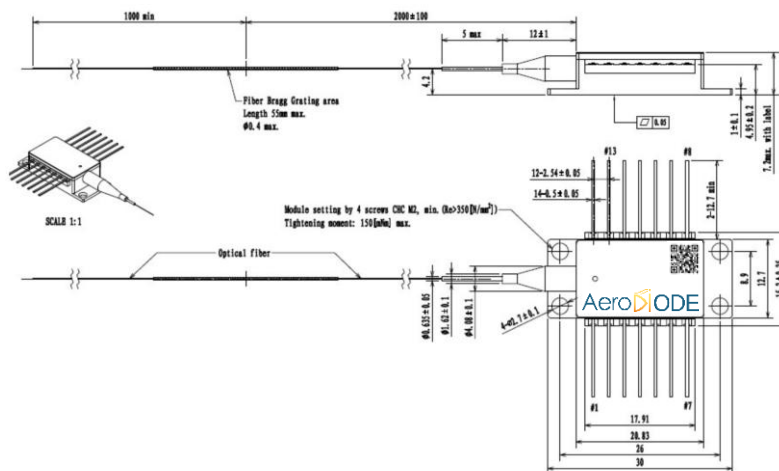
Technology: Single mode Fabry Perot*

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power (kink free)	mW	700		
Center Wavelength	nm	1058	1060	1062
Spectral Width	nm (FWHM)		2.5	
Threshold Current	mA			70
Operating Current	mA		1200	1500
Operation Voltage	V		1.7	2.0
Wavelength shift w Temperature	nm/°C		0.35	
Polarization Extinction Ratio	dB	13		
Internal Photodiode Responsivity	mA/W	0.5		10
Internal Photodiode Dark Current	nA			100
TEC current (Case @ 75°C)	A			1.4
TEC Voltage (Case at 75°C)	V			3.2
Internal thermistor (25°C)	kOhm	9.5		10.5
Fiber type	PM fiber : SM98-PS-U25D-H or Nufern PM980			
Fiber bend radius	mm	16 (abs min)		
Coating diameter	μm	230	250	270
Storage case temperature	°C	-40 (abs min)		85 (abs max)
Operating case temperature	°C	-20 (abs min)		75 (abs max)
Lead soldering temperature	°C			280
Laser diode reverse voltage	V			2.0
Pigtail Termination	Ferrule (Optional FC/APC connector)			
Polarization state	Aligned to the slow axis			

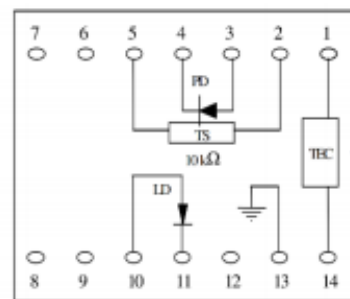
*: See our tutorial: [fiber coupled laser diode](#)

Form factor:

Laser diode pin configuration:



Dimensions are in mm



Totally floating pin-out