

1064 nm laser diode

700 mW / singlemode fiber / Butterfly package

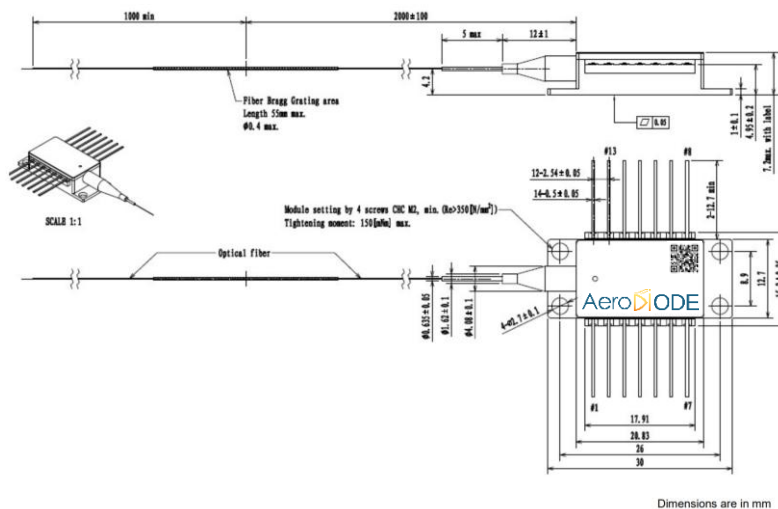
Reference: 1064LD-1-0-0

Technology : Single mode Fabry Perot*

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power (kink free)	mW	700		
Center Wavelength (Chip regulated at $> \sim 30^{\circ}\text{C}$)	nm	1062	1064	1066
Spectral Width (FWHM)	nm		2.5	
Threshold Current	mA			70
Operating Current	mA		1200	1500
Operation Voltage	V		1.7	2.0
Wavelength shift w Temperature	nm/ $^{\circ}\text{C}$		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	$^{\circ}\text{C}$	-40 (abs min)		85 (abs max)
Operating case temperature	$^{\circ}\text{C}$	-20 (abs min)		75 (abs max)
Lead soldering temperature	$^{\circ}\text{C}$			280
Laser diode reverse voltage	V			2.0
Pigtail Termination	Ferrule			
Polarization state	Aligned to the slow axis			

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

Form factor:



Laser diode pinning :

