1030 nm laser diode

200 mW (CW) /1200 mW (Pulsed) / singlemode fiber / Butterfly package

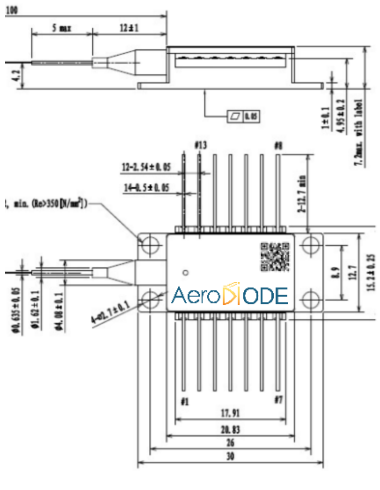
Reference: 1030LD-1-0-0

Technology: Single mode Fabry Perrot*

SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power (CW)	mW	150	200	
Output Power (Pulsed)	mW	1000	1200	
Center Wavelength (Optional "FBG" version)	nm (in air)	1029 (1029.5)	1030 (1030)	1032 (1030.5)
Spectral Width (CW/Pulse) (Optional "FBG" version)	nm (FWHM)		0.2/1.5 (0.1 in CW)	
Threshold Current	mA		60	80
Operating Current (CW/Pulse)	mA		350/2500	
Operation Voltage	V		1.6	2.0
Wavelength shift w Temperature (Optional "FBG" version)	nm/°C		0.35 (5.10^{-3})	
Power in Band	%	90		
Polarization Extinction Ratio	dB	13		
Side mode suppression ratio (Optional FBG version)	dB		(20)	
Internal Photodiode Responsivity	mA/W	0.5		10
Internal Photodiode Dark Current	nA			100
TEC current (Case @ 75°C)	A			1.5
TEC Voltage (Case at 75°C)	V			3.3
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		250/900	
Storage case temperature	°C	-40 (abs. min)		85 (abs. max)
Operating case temperature	°C	-5 (abs. min)		75 (abs. max)
Lead soldering temperature	°C			280
Laser diode reverse voltage	V			2.0
Pigtail termination	Ferrule			
Polarization state	Aligned to the slow axis			

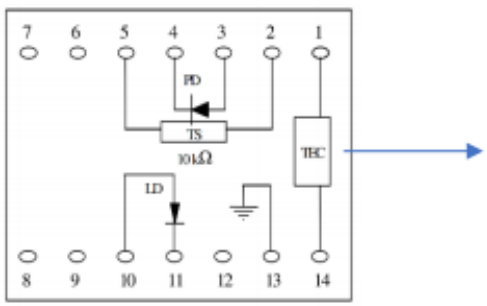
*See our tutorial on fiber coupled laser diode

Form factor:



Dimensions are in mm

Laser diode pinning :



Totally floating pin-out

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