

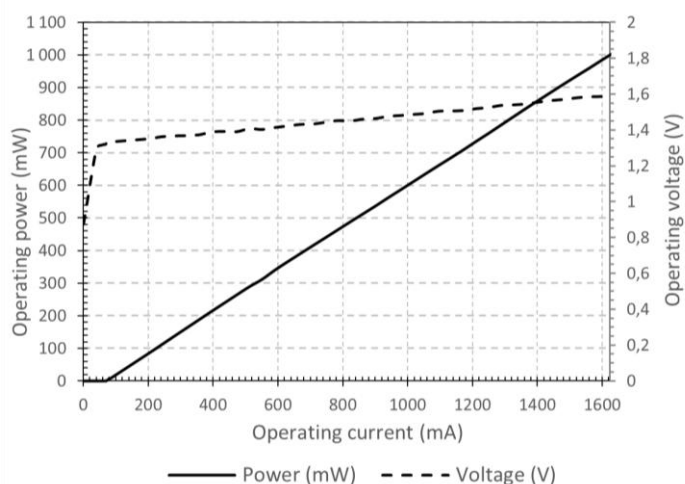
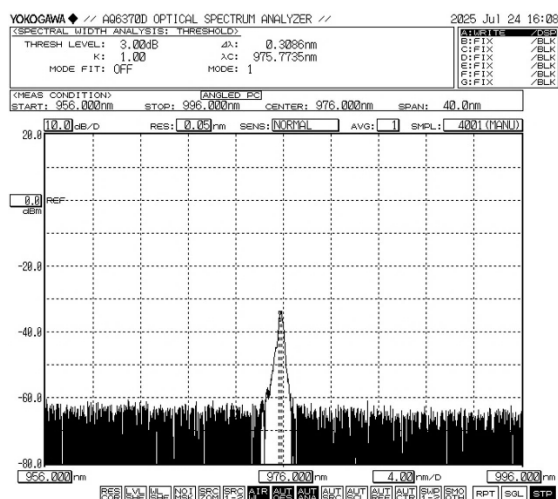
976 nm laser diode

1000 mW / Singlemode PM fiber / Butterfly package

Reference: 976LD-2-0-0 (-1: SMF; -2: PMF) Technology : Fabry-Pérot with Bragg Grating

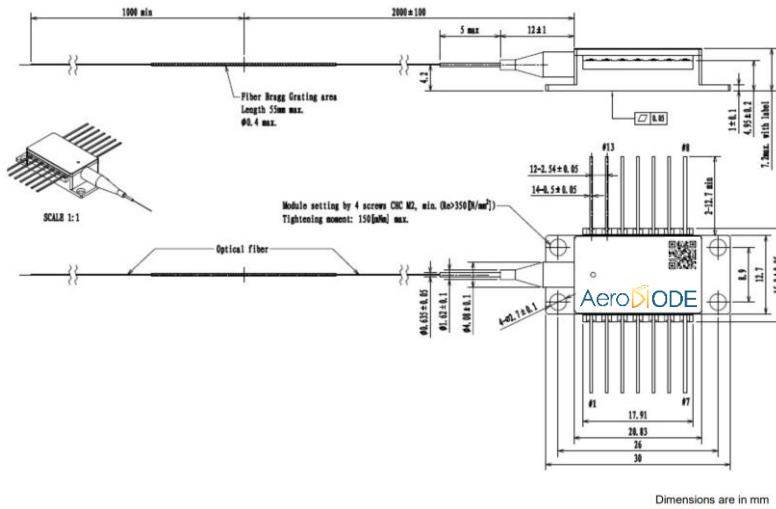
SPECIFICATIONS	Unit	Min	Typ	Maximum
Output Power	mW	950	1000	-
Center Wavelength	nm	975	976	977
Spectral Width (FWHM)	nm	-	-	1.0
Threshold Current	mA	-	-	100
Operating Current	mA	-	1600	-
Operation Voltage	V	-	-	2.0
Wavelength shift w Temperature	nm/°C	-	-	0.02
Power in Band	%	90	-	-
Polarization Extinction Ratio	dB	13	-	-
Internal Photodiode Responsivity	mA/W	0.5	-	10
Internal Photodiode Dark Current	nA	-	-	100
TEC current (Case @ 75°C)	A	-	-	1.6
TEC Voltage (Case at 75°C)	V	-	-	3.4
Internal thermistor (25°C)	kOhm	9.5	-	10.5
Fiber type	PM980 or equivalent			
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
Polarization state	Aligned to the slow axis			

Emission spectrum & LIV @ 25°C

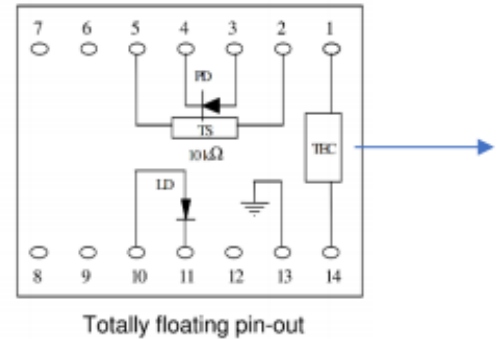


Laser diodes are classified based on continuous operation – Contact us for any special requests regarding classification or power limitation.

Form factor:



Laser diode pinning :



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