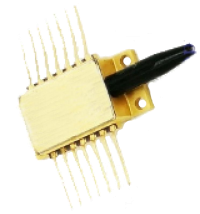


1105 LED Short Wavelength

LD-980-600-BT-SM



980 nm Pump Laser Module, 600 mW, SM Fiber

The LD-980-600-BT-SM is a 980 nm pump module, available with up to 600 mW of continuous output power, with SM Fiber fiber. It utilizes a planar construction with chip on subcarrier. The high power chip is hermetically sealed in a epoxy-free and flux-free 14-pin butterfly package and fitted with a thermistor, thermoelectric cooler, and monitor diode.

FEATURES

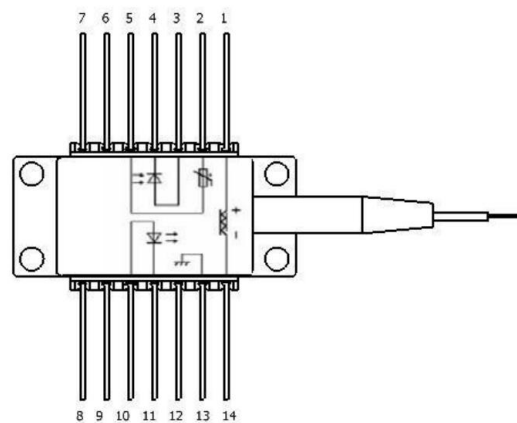
- Kink-free Operating Power Up to 600 mW
- Epoxy-free, and Flux-free 14-PIN Butterfly Package
- Integrated Thermoelectric Cooler, Thermistor and Monitor Diode
- Fiber Bragg Grating Stabilization

USE IN

- DWDM and EDFA
- Reduced Pump-count EDFA Architectures

FUNCTIONAL DIAGRAM

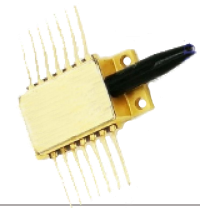
Pin#	Desc	Pin#	Desc
1	TEC+	8	NC
2	Thermistor	9	NC
3	PD+	10	LD+
4	PD-	11	LD-
5	Thermistor	12	NC
6	NC	13	Case Ground
7	NC	14	TEC-



Order notes to our customers: The default parameters are as follows. For special needs, please contact sales.
1) Connector FC/APC, 900 um, 1 m by default for all devices except for high power devices.
2) Slow axis working, fast axis blocked, connector key is aligned to slow axis by default for PM devices.

1105 LED Short Wavelength

LD-980-600-BT-SM

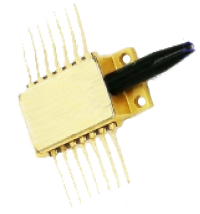


Center Wavelength	980±5 nm
Spectral Width	2.0 nm max.
Wavelength Shift with Temperature	0.02 nm/ °C typ.
LD Threshold Current	45 mA typ.; 80 mA max.
Output Power	600 mW max.
LD Forward Current	1200 mA
Kink Free power	450 mW min.
Kink Free current	1.2 mA min.
LD Forward Voltage	2.5 V max.
Monitor Responsivity	20 uA/mW max.
Monitor Responsivity Stability	20 %
Monitor Dark Current	50 nA max.
TEC Current	2 A max.
TEC Voltage	3.5 V max.
TEC Modul Power Consumption	5 W max.
Fiber Type	Hi 1060 Fiber
Operating Temperature	-5 °C to +75 °C
Storage Temperature	-40 °C to +85 °C

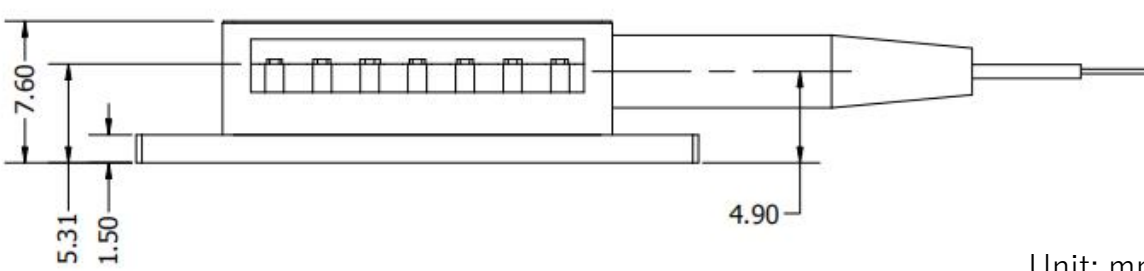
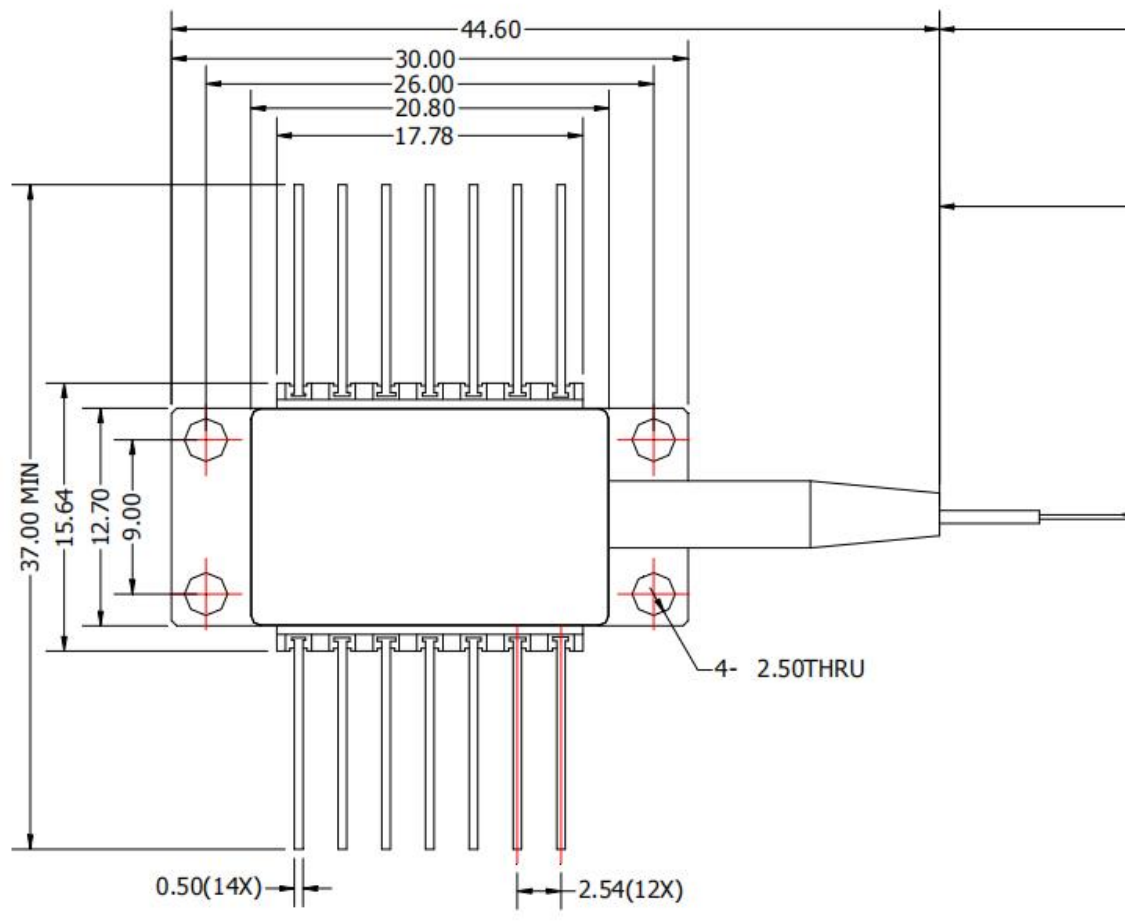
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1105 LED Short Wavelength

LD-980-600-BT-SM



MECHANICAL DRAWING



Unit: mm

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