Laser Source Diode

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 single mode 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.

Laser Type	Fabry-Perot
Output Power	600 mW
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.
LD Forward Current	1200 mA max.
LD Forward Voltage	2.5 V max.
LD Reverse Current	10 uA max.
LD Reverse Voltage	2.0 V max.
PD Forward Current	-10 mA max.
PD Reverse Voltage	20 V max.
Kink Free power	450 mW min.; 80 mA max.
Kink Free current	1.2 mA min.
TEC Current	2 A max.
TEC Voltage	3.5 V max.
Total Fiber Length	1 m (Standard)
Fiber Type	Single Mode
Connector	FC/APC (Standard) or None
Operating Case Temperature	-5°C to +75°C
Storage Temperature	-40°C to +80°C
Operating Humidity	0% to 95%
Material	GaAs