


400mW 1060nm / 1070nm High Power Laser Diode Module

LC96A1060-20R

LC96A1070-20R

The Bookham LC96A10xx-20R high power laser module has been designed as a light source for pulsed fiber lasers and CW applications that require 1060nm single mode light. Processes and techniques of coupling the fiber to the laser allow high output powers that are very stable with both time and temperature. Devices are available with kink free output powers to 400mW CW.

Features

- High output power, up to 400mW kink free CW or 1.3W pulsed peak
- 1060nm or 1070nm
- Short pulse operation of 5ns-500ns
- Polarization maintaining single mode fiber pigtail
- Internal thermoelectric heat pump and monitor diode
- Hermetically sealed 14-pin butterfly package
- RoHS compliant 

Applications

- Fiber lasers
- Analytical



Absolute Ratings

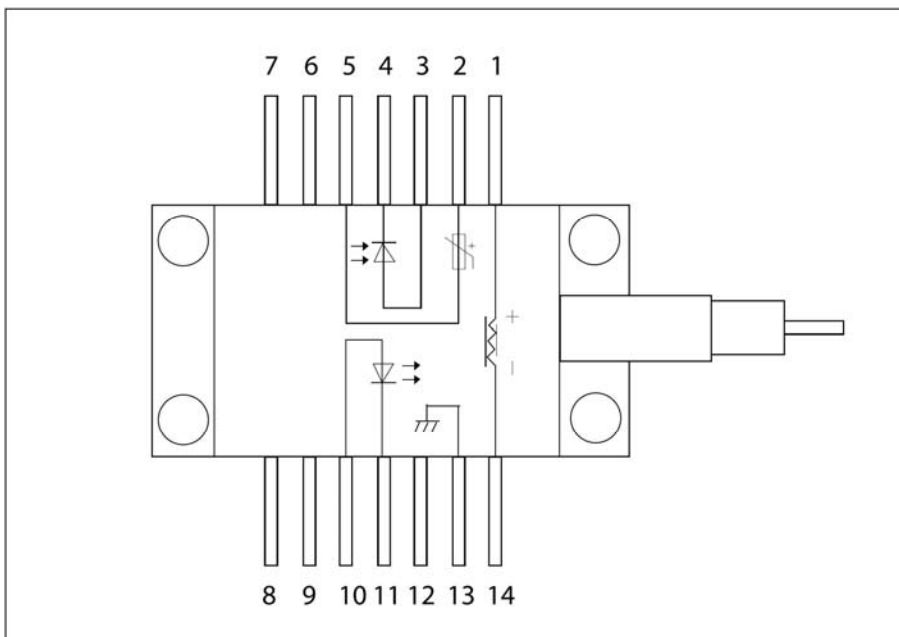
Parameter	Min	Max	Unit
Storage temperature	-40	85	°C
CW laser forward current (10s max)		1000	mA
Laser reverse voltage		2	V
Heat pump current		2.2	A
Lead soldering temperature (10s max)		260	°C
Fiber bend radius	30		mm

Fiber Characteristics

Parameter	Min	Typ	Max	Unit
Fiber type: Polarization maintaining Nufern PM980-HP or equivalent (e.g. Fujikura SM98)				
Mode field diameter	5.6	6.6	7.6	um
Buffer diameter	230	250	270	um
Pigtail length (module to fiber end)	1			m
Pristine fiber proof test level	200			psi

Connections

Pin#	Description	Pin#	Description
1	Peltier cooler (+)	8	Not connected
2	Thermistor	9	Not connected
3	Monitor anode (-)	10	Laser anode (+)
4	Monitor cathode (+)	11	Laser cathode (-)
5	Thermistor	12	Not connected
6	Not connected	13	Case ground
7	Not connected	14	Peltier cooler (-)



RoHS Compliance



Bookham is fully committed to environment protection and sustainable development and has set in place a comprehensive program for removing polluting and hazardous substances from all of its products. The relevant evidence of RoHS compliance is held as part of our controlled documentation for each of our compliant products. RoHS compliance parts are available to order, please refer to the ordering information section for further details.

Ordering Information

LC96A1060-20R	400mW 1060nm High Power Laser Diode Module
LC96A1070-20R	400mW 1070nm High Power Laser Diode Module

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