10W 976nm Single Emitter Bare Laser Chip

The chip also uses new epitaxial structure design and material epitaxy, leading cavity surface passivation technology, advanced non-pumped window design and preparation technology, and dry and wet etching combined with self-aligning technology to control the consistency of strip width. In particular, the high yield rate under mass production is guaranteed, and the cost of laser chips is reduced.

Application:

Industry: Semiconductors for high-power diode lasers in direct material processing, for heating or lighting. Semiconductors as pumping sources for fiber and solid-state lasers. Use in printing technology.

Medicine: Esthetics, dermatology and surgery.

Data Sheet: Item No.: LC976SB10 Item Name: 10W 976nm Bare Laser Chip

Optical	Тур
Central Wavelength	973~979nm
Output Power	10~12W
Working Mode	CW
Spectrum Width	5nm
Emitter Width	95µm
Cavity Length	3990~4010um
Cavity Thickness	95~120um
Fast Axis Divergence(FWHM)	29Deg
Slow Axis Divergence (FWHM)	9Deg
Electrical	
Operating Current Iop	10.8~12A
Threshold Current Ith	0.7~1.0A
Operating Voltage Vop	1.75~1.95V
Thermal	
Operating Temperature	25
Wavelength Temperature Coefficient	~ 0.3nm/°C

Order Procedure

- 1. Contact us for more details by email
- 2. We send PI to you for payment, payment term is T/T or Western Union
- 3. Once payment is done, we will arrange production
- 4. Delivery time is 1-4 weeks depends on different order qty and request.
- 5. After delivery, we will send you DHL UPS FedEx TNT tracking no

Remarks

Other models are available upon your choices,pls contact us freely

