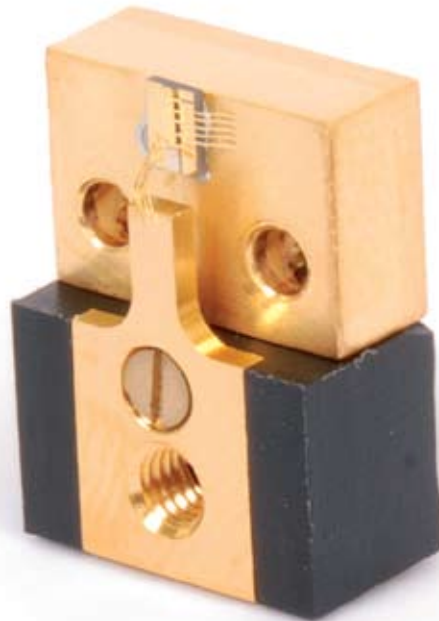




High Power Single Mode InP Lasers



Features

- excellent single mode optical sources based on optimized buried heterostructure FP laser design
- laser diode with multi quantum well active region
- proven reliability, ageing tests available
- mounted on compact headers (CS- or C-mount) or fibre-pigtailed modules (RoHS compliance)
- Applications in fibre pumping, plastic welding or environmental research

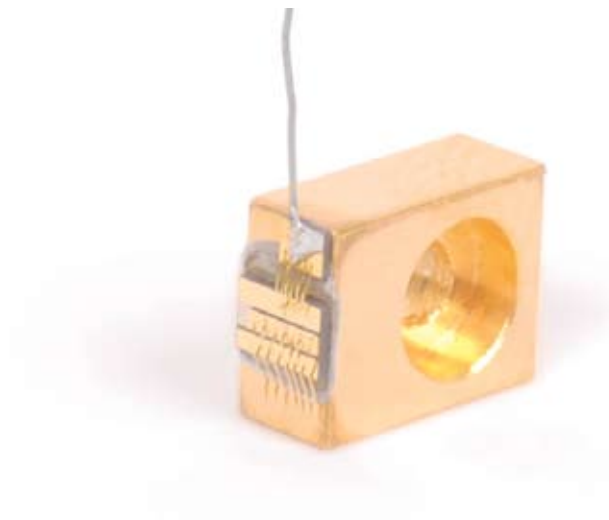
Specifications (ex facet)

	min.	typical	max.	unit
operation temperature	0	25	70	°C
operating current		2	2.5	A
threshold current ^{III}		200	400	mA
series resistance		0.25	0.4	Ω
optical output power	0.5	0.6	0.7	W
emission wavelength ^{III}	$\lambda-10$	λ	$\lambda+10$	nm
optical far field (horizontal*vertical, FWHM)		20*30	25*40	deg

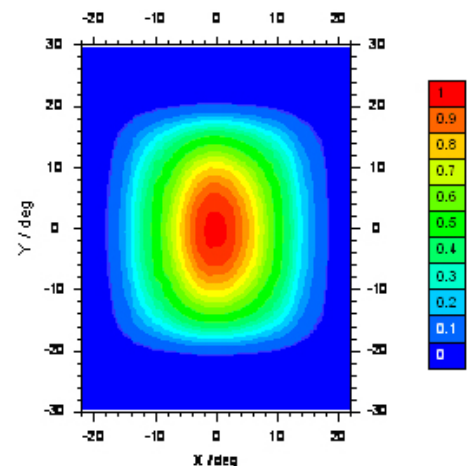
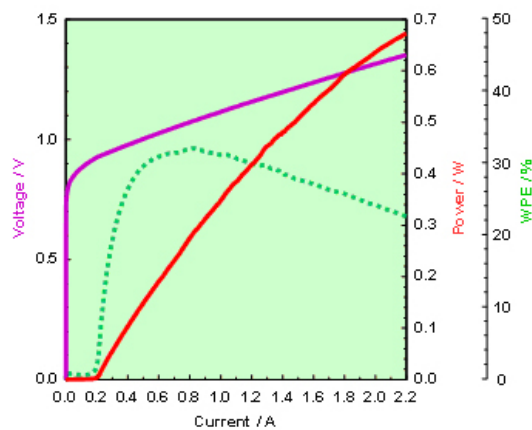
^{III} at 20°C

Available wavelengths:

- 1380, 1470, 1550 nm (power may vary with wavelength)
- additional wavelengths (1250-1750 nm) on request



Performance Example



Contact

Fraunhofer Institute for
Telecommunications
Heinrich-Hertz-Institut
-Photonic Components-

Einsteinufer 37
10587 Berlin
Germany

Norbert Keil
tel: +49 (0) 30 31002-590
fax: +49 (0) 30 31002-558
norbert.keil@hhi.fhg.de
www.hhi.fraunhofer.de

