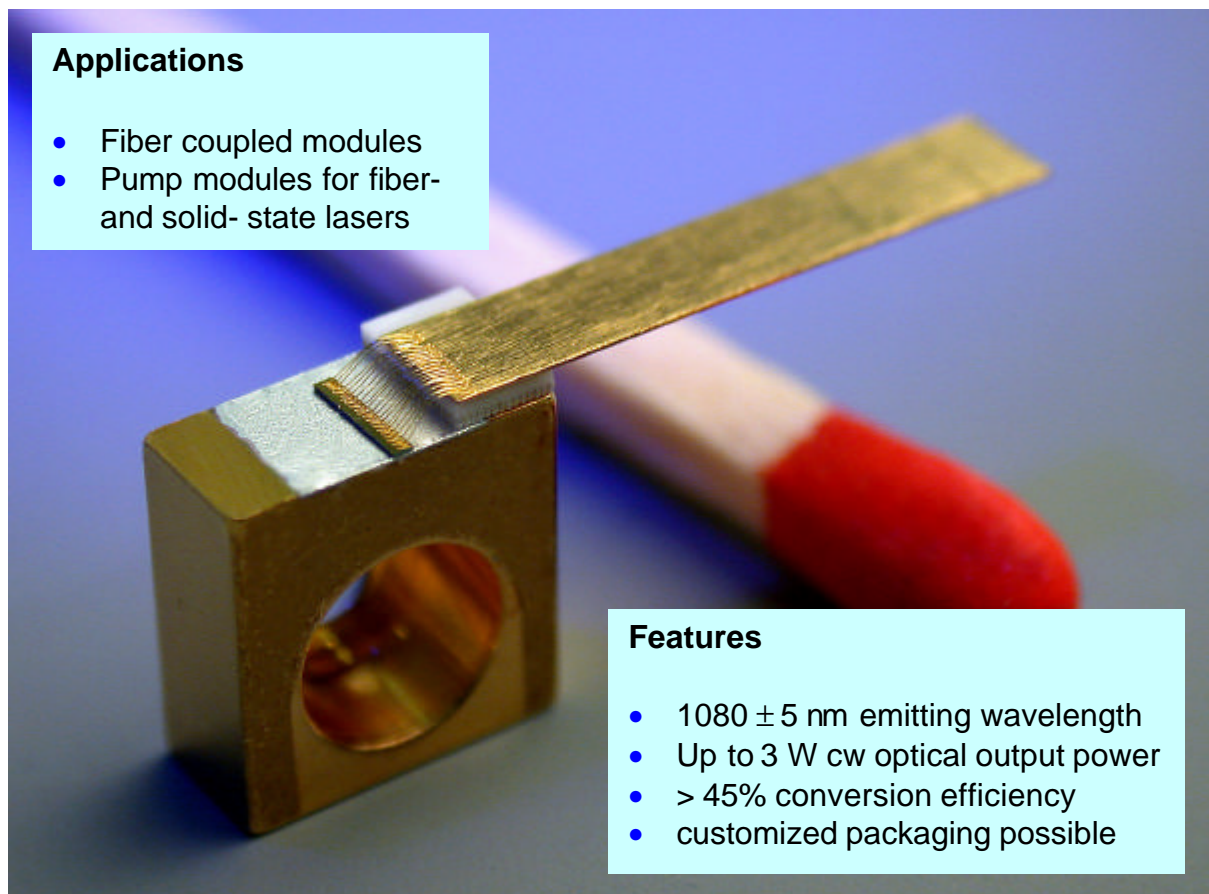


## BA\_1080\_3000\_SE



### Applications

- Fiber coupled modules
- Pump modules for fiber- and solid- state lasers

### Features

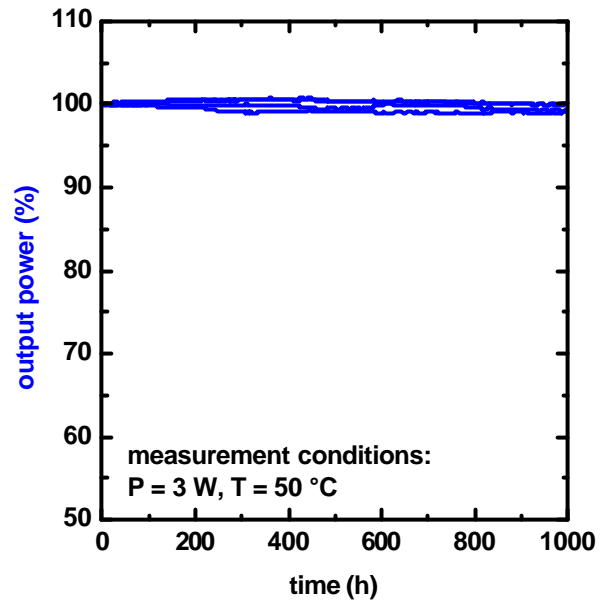
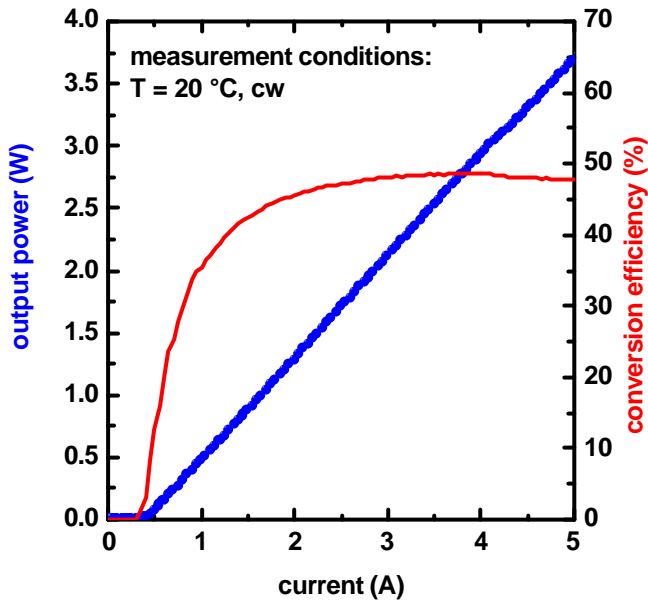
- 1080 ± 5 nm emitting wavelength
- Up to 3 W cw optical output power
- > 45% conversion efficiency
- customized packaging possible

### Characteristics of BA\_1080\_3000\_SE diode lasers

(all measurements have been done at 20 °C in cw operation)

Parameter	Min	Typ	Max	Unit
Emitting dimension (WxH)		150x1		µm <sup>2</sup>
Cavity length		2		mm
AR Reflectivity <sup>(1)</sup>		1		%
HR Reflectivity		95		%
Peak Wavelength	1075	1080	1083	nm
Operating Output Power		3		W
Operating Forward Current	3.9	4.1	4.3	A
Operating Forward Voltage		1.5		V
Threshold current		420	500	mA
Slope Efficiency		0.8	0.9	W/A
Conversion efficiency	45			%
Beam divergence (horizontal)		67		deg
Beam divergence (vertical)		10		deg

<sup>(1)</sup> optionally other coatings are offered on request



## Package Information

Package	Thickness	Unit
C-Mount	3.0	mm
others	on request	

