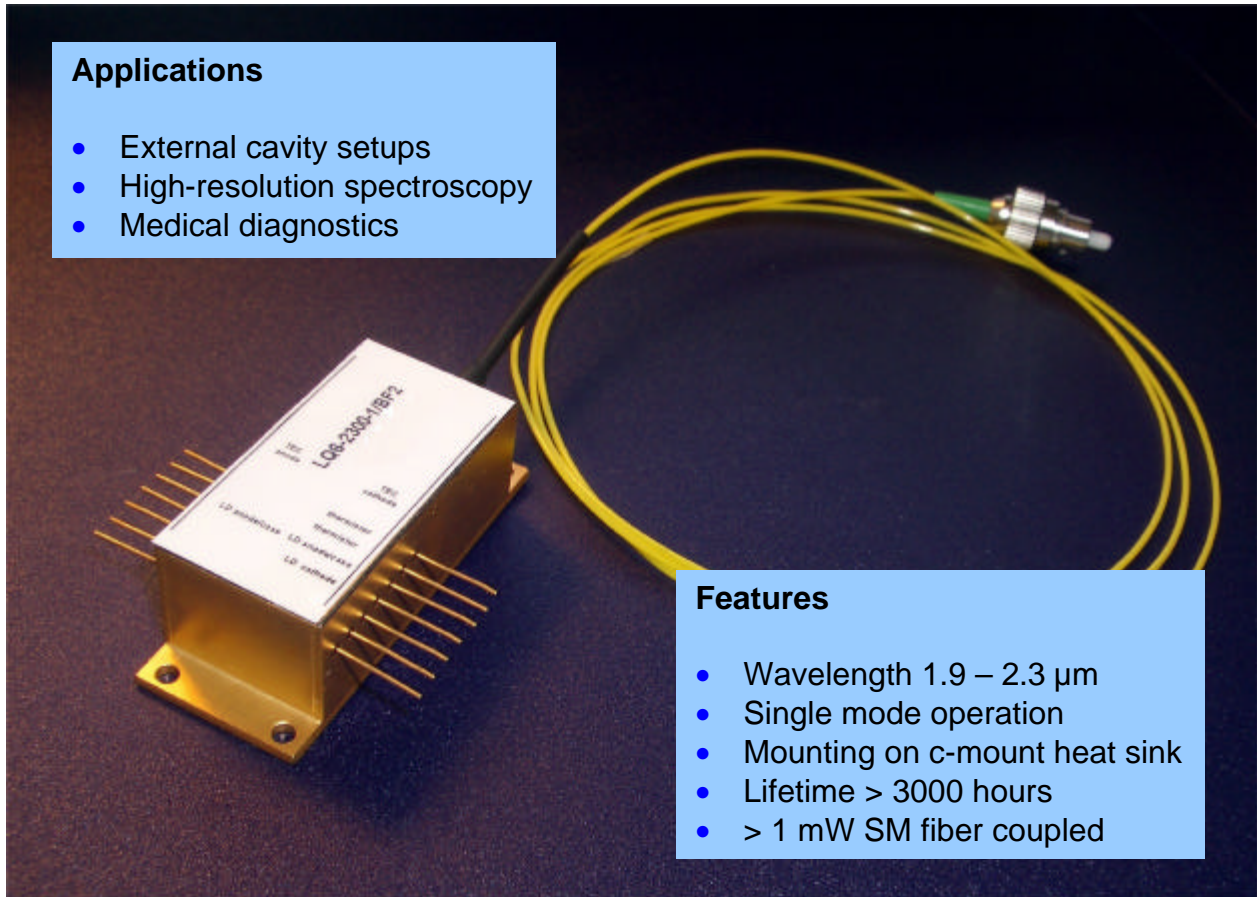


GaSb based ridge-waveguide diode lasers



Applications

- External cavity setups
- High-resolution spectroscopy
- Medical diagnostics

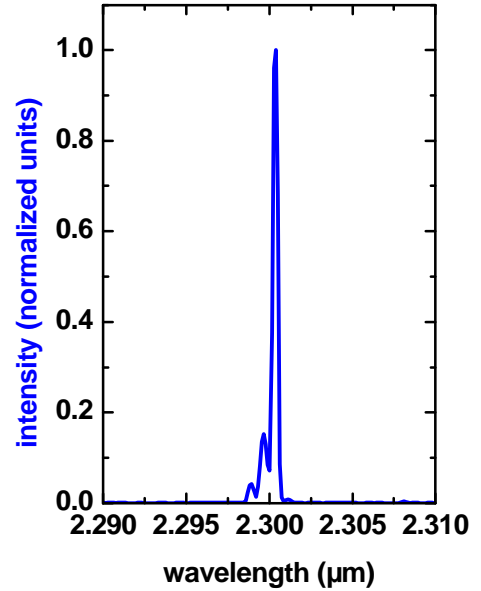
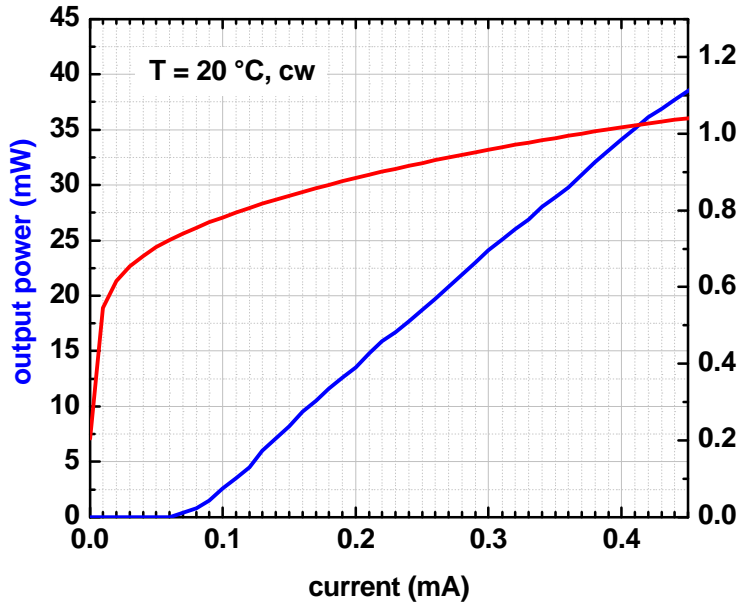
Features

- Wavelength 1.9 – 2.3 μm
- Single mode operation
- Mounting on c-mount heat sink
- Lifetime > 3000 hours
- > 1 mW SM fiber coupled

Characteristics of GaSb_RW_xxxx_SE diode lasers
(all measurements have been done at 20 °C in cw operation)

Parameter	Min	Typ	Max	Unit
Emitting dimension (WxH)		6x1		μm^2
Cavity length		1		mm
AR Reflectivity ⁽¹⁾		5		%
HR Reflectivity ⁽¹⁾		95		%
Peak Wavelength	1.9		2.3	μm
Operating Output Power			30	mW
Operating Forward Current	350	400	450	mA
Operating Forward Voltage		1	1.25	V
Threshold current	60	70	80	mA

⁽¹⁾ optionally other coatings are offered on request



Package Information

Order Number	Package
GaSb_RW_xxxx_SE	C-Mount
GaSb_RW_xxxx_SMF	Single Mode Fiber Coupled Module
other packaging	on request

