

# Multi mode fiber coupled laser diode

## 4.5W @ 1320nm, QSM-1320-4.5



No View Sample Datasheet

- Manufactured by SemiNex, USA
- Multi mode fiber coupled Fabry Perot (FP) laser
- High output power with 4pins package
- 0.4 W/A slope efficiency
- Wavelength/temperature coefficient  $\sim 0.5\text{nm}/^\circ\text{C}$
- Built-in monitor photodiode
- Multi mode fiber pigtail  
(105 $\mu\text{m}$  core size, 125 $\mu\text{m}$  cladding, NA 0.22)
- Optional FC/PC, SMA905, and FC/APC connector

### Specifications

Parameter	Symbol	Min	Typ	Max	Unit
Output power from pigtail	$P_f$	4	4.5	4.7	W
Range of available wavelengths	$\lambda_c$	1300	1320	1340	nm
Spectral width (FWHM)			10		nm
Wavelength shift with temperature			0.5		nm/ $^\circ\text{C}$
Operating current	$I_{op}$		13	16	A
Threshold current	$I_{th}$		600		mA
Forward voltage	$V_f$		1.7	2.3	V
Monitor current	$I_m$	0.02			mA
Case operating temperature range	$T_c$	10	20	30	$^\circ\text{C}$
Storage temperature	$T_s$	-20		80	$^\circ\text{C}$
Lead soldering temperature@10s				260	$^\circ\text{C}$

### Spectrum

No Spectrum Image

### Pin Configuration

