

# Multimode fiber coupled laser diode, 4W @ 785m, QSP-785-4



No View Sample Datasheet

- 4W in fiber at 785+/-5nm
- CW or pulsed operation up to 20MHz
- Rise/Fall time <20ns
- Estimated MTTF of >5,000 hours
- Hermetically sealed, electrically isolated case
- Multimode fiber 105/125um, NA 0.15 or 0.22
- Optional FC/PC, FC/APC, or SMA 905 optical connector

## Specifications

Tested conditions: at 25 deg. C case temperature.

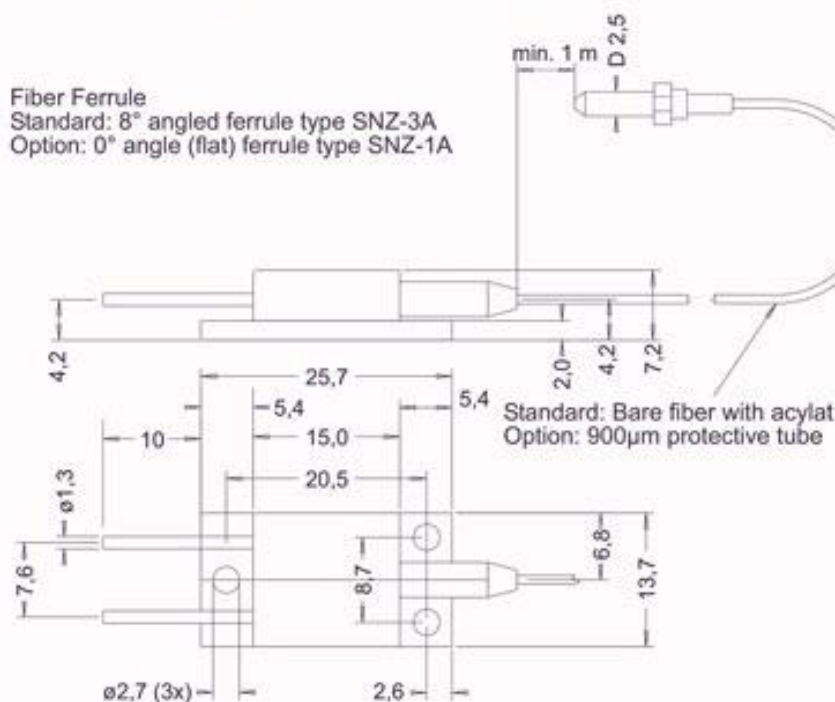
Parameters	Symb.	Min.	Typ.	Max.	Unit
Output power ex-fiber	$P_{out}$		4		W
Range of available wavelength at $P_{out}$	$\lambda$	780	785	790	nm
Spectral width @ -3dB level at $P_{out}$	$\Delta\lambda$		2	3	nm
Wavelength temperature shift	$\Delta\lambda/\Delta T$		0.2	0.3	nm/deg. C
Threshold current	$I_{th}$		0.9	1	A
Operating current at $P_{out}$	$I_{op}$		5	6.5	A
Forward voltage at $P_{out}$	$V_f$		1.8	2	V
Lead soldering temperature	$T_{ls}$		250(5 sec)		deg. C
Case operating temperature range	$T_{case}$	-10		70	deg. C
Storage temperature range	$T_{stor}$	-30		80	deg. C

## Spectrum

No Spectrum Image

## Pin Configuration

### Module Drawing (dimensions in mm)



### Pin Connections

Pin	Function	Pin	Function
1	LD Anode (+)	2	LD Cathode (-)

