

Multimode fiber coupled laser diode, 7W @ 1064nm, QSP-1064-7



- 7W in fiber at 1064±10nm
- 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 or SMA 905 optical connector

No View Sample Datasheet

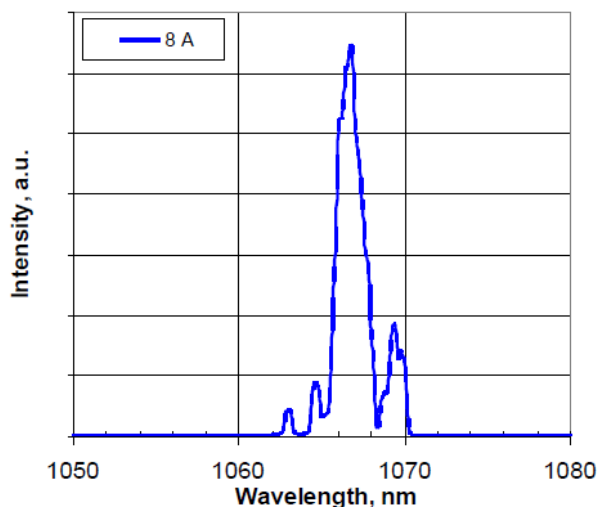
Specifications

Tested conditions: at 25 deg. C case temperature.

Parameters	Symb.	Min.	Typ.	Max.	Unit
Output power ex-fiber	P_{out}		7		W
Range of available wavelength at P_{out}	λ	1054	1064	1074	nm
Spectral width @ -3dB level at P_{out}	$\Delta\lambda$		5	8	nm
Wavelength temperature shift	$\Delta\lambda/\Delta T$		0.3	0.4	nm/deg. C
Threshold current	I_{th}		0.5	0.7	A
Operating current at P_{out}	I_{op}		9	11	A
Forward voltage at P_{out}	V_f		1.4	1.5	V
Lead soldering temperature	T_{ls}		250 (5 sec)		deg. C
Case operating temperature range	T_{case}	-10	25	70	deg. C
Storage temperature range	T_{stor}	-30		80	deg. C

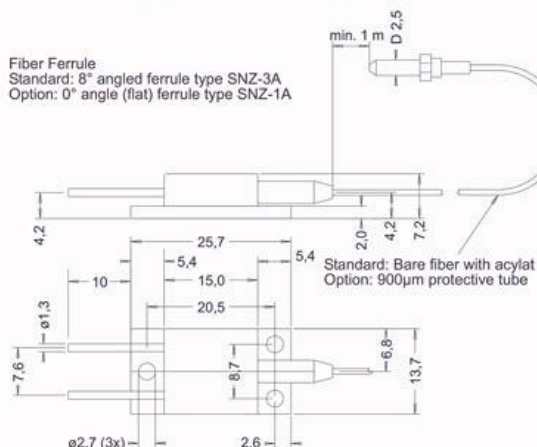
Spectrum

Test conditions: CW operation, the module is mounted on a 25° C temperature heatsink.



Pin Configuration

Module Drawing (dimensions in mm)



Pin Connections

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

