

Multimode fiber coupled laser diode, 10W @ 940nm, QSP-940-10



- 10W output from single emitter at 930-950nm
- CW or pulsed operation
- Compact design
- Estimated MTTF of 200,000 hours
- Hermetically sealed, electrically isolated case
- Multimode fiber 105/125um, NA 0.22
- Optional FC/PC or SMA 905 optical connector

No View Sample Datasheet

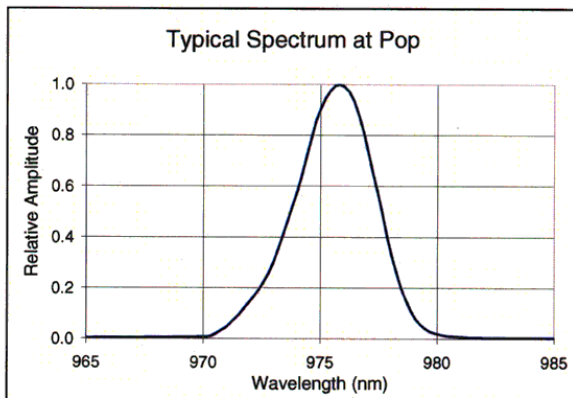
Specifications

Test conditions: temperature 25°C,

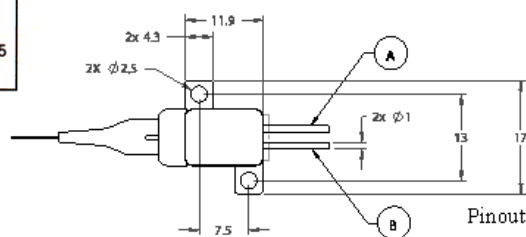
Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f	8	10		W
Wavelength	λ_c	929		950	nm
Wavelength v/s temperature coefficient	$d\lambda/dT$		0.35		nm/°C
Spectral linewidth (FWHM)	$\Delta\lambda$		3	6	nm
Forward current	I_f		11.5	13	A
Threshold current	I_{th}		0.7	0.9	A
Forward voltage	V_f		1.9	2.2	V
Slope efficiency	dI/dI		0.92		W/A
Storage temperature	T_{stg}	-40		70	°C
Operating case temperature	T_c	0		40	°C
Lead soldering temperature @ 10s	-			260	°C

Spectrum

Spectrum below is given for QSP-975-10 laser module at 975nm.
QSP-940-10 has a similar spectrum at around 940nm



Pin Configuration



Pin	Description
A	Laser cathode (-)
B	Laser anode (+)

