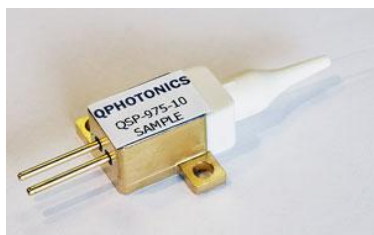


Multimode fiber coupled laser diode, 10W @ 975nm, QSP-975-10



- 10W output from single emitter at 974-980nm
- CW or pulsed operation
- Compact design
- Estimated MTTF of 200,000 hours
- Hermetically sealed, electrically isolated case
- Multimode fiber 105/125um, NA 0.15 or 0.22
- Optional FC/PC or SMA 905 optical connector

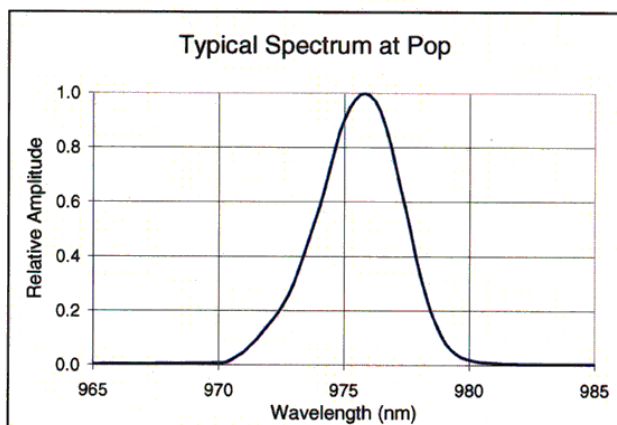
No View Sample Datasheet

Specifications

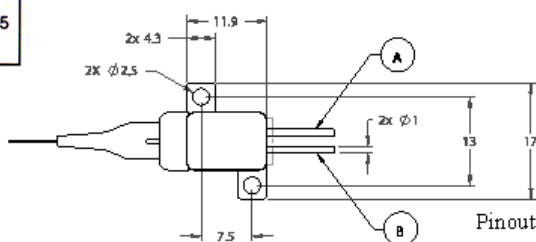
Test conditions: temperature 25°C,

Parameter	Symbol	Min	Typ	Max	Unit
Optical power from pigtail	P_f	8	10		W
Wavelength	λ_c	967		980	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	13.5	A
Threshold current	I_{th}		0.6	0.75	A
Forward voltage	V_f		2	2.5	V
Slope efficiency	dI/dI		0.9	1	W/A
Storage temperature	T_{stg}	-40		70	°C
Operating case temperature	T_c	0		60	°C
Lead soldering temperature @ 10s	-			260	°C

Spectrum



Pin Configuration



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

