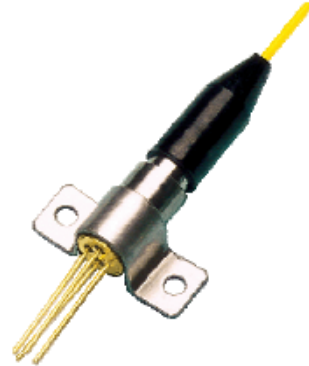




1625nm DFB Laser Module

Features

- MQW 1625nm DFB LD
- Low threshold current
- High output power
- Built-in InGaAsP monitor PD
- Wide temperature range operation
(Tc=-45°Cto+85°C)



Applications

- Light source
- Data transmit

Absolute maximum ratings

Parameter	Symbol	Min.	Max.	Unit	Test condition
Storage temperature	T _{st}	-40	+100	°C	-
Operating temperature	T _{op}	-40	+85	°C	-
Reverse voltage	V _R		2	V	CW
Soldering temperature/time			260/10	°C/S	-

Optical & electrical characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	λ_c	1622	1625	1627	nm	-
Threshold current	I _{th}	-	6.5	15	mA	1310nm,25°C
Spectral width	$\Delta\lambda$	-	1	2	nm	CW,I _{th} +20mA
Output power	P	-	2.0	4.0	mW	CW,I _{th} +20mA,1625nm
Operating voltage	V _{op}	-	1.0	1.5	V	CW,I _{th} +20mA
Rise/ Fall time	T _r /T _f	-	0.3	0.7	nS	CW,I _{th} +20mA
Monitor current	I _m	0.1	-	0.9	mA	CW,I _{th} +20mA
Optical Isolation	Iso	30	-	-	dB	25°C

PIN assignment: (bottom view)

