

1625nm DFB LD Module

Features

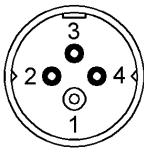
MQW 1625nm DFB LD
Built-in InGaAsP monitor PD
Built-in optical isolator
Excellent reliability

Applications

Fiber communication
light source



PIN assignment



	F type	S type
1	LD(+)/case	case
2	LD(-)	LD(-)
3	PD(-)	PD(+)
4	PD(+)	LD(+)/PD(-)

Absolute maximum ratings

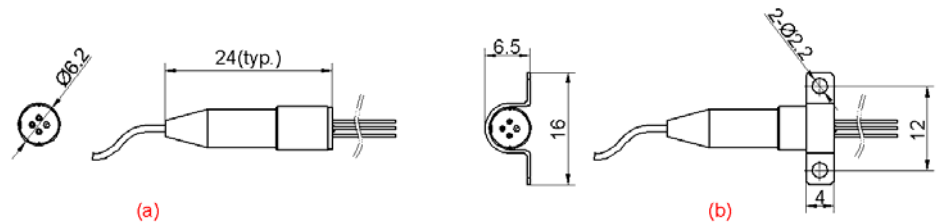
Parameter	Symbol	Min.	Max.	Unit	Test condition
Storage temperature	T _{st}	-40	+100	°C	-
Operating temperature	T _{op}	-40	+85	°C	-
Reverse voltage	V _R		2	V	CW
Solder temperature/time			260/10	°C /S	-

Optical & electrical characteristics(T=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	λ_c	1620	1625	1630	nm	-
Threshold current	I _{th}	-	10	15	mA	
Side mode suppression ratio	SMSR	30	40	-	dB	
Spectral width	$\Delta\lambda$	-	1	2	nm	I _{th} +20mA,-20dB
Output power	P	1	-	-	mW	CW,I _{th} +20mA
Operating voltage	V _{op}	-	1.1	1.5	V	CW,I _{th} +20mA
Rise/ Fall time	T _r /T _f	-	0.3	0.7	nS	10%~90%,I _b =I _{th}
Monitor current	I _m	0.05	-	-	mA	CW,I _{th} +20mA
Optical Isolation①	Iso	30	-	-	dB	Single stage
		50	-	-	dB	Dual stage

Note: ① temperature range:-20~70°C

Dimensions Diagram



Order information

SL2	X	X	X	X	0	X
	Isolator	wavelength	PIN out	Power		Package
	0,no	6,1625nm.	F,F	1, >1mW		1, (a)
	1,Single		S,S			2, (b)
	2,Double					S,spec.



LASER RADIATION
AVOID EXPOSURE TO BEAM
Class 3 B laser product



CAUTION
STATIC SENSITIVE DEVICE
OBSERVE PRECAUTIONS

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