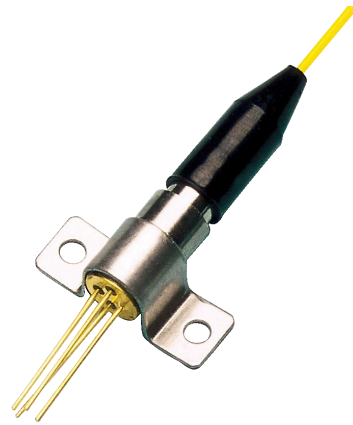


**Features**

- MQW DFB LD
- Low threshold current
- High output power
- Built-in InGaAsP monitor PD
- Wide temperature range operation

**Applications**

- Audio, Video, Data CWDM Transmission



**Absolute maximum ratings**

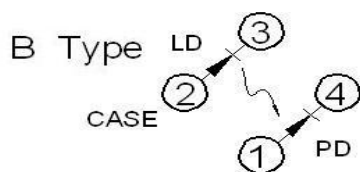
Parameter	Symbol	Min.	Max.	Unit	Test condition
Storage temperature	T <sub>st</sub>	-40	+100	°C	-
Operating temperature	T <sub>op</sub>	-20	+70	°C	-
Reverse voltage	V <sub>R</sub>		2	V	CW
Soldering temperature/time			260/10	°C/S	-

**Optical & electrical characteristics**

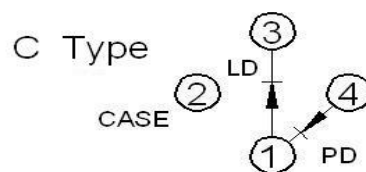
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	$\lambda_c$	1270~1610nm (S+C+L), $\pm 3$ nm			nm	
Threshold current	I <sub>th</sub>	-	10	15	mA	25°C
Spectral width	$\Delta\lambda$	-	0.6	2	nm	CW, I <sub>th</sub> +20mA
Sidemode suppression ratio	SMSR	30	40	-	dB	
Output power	P	-	2.0	-	mW	CW, I <sub>th</sub> +20mA
Operating voltage	V <sub>op</sub>	-	1.1	1.5	V	CW, I <sub>th</sub> +20mA
Rise/ Fall time	Tr/Tf	-	0.3	0.7	nS	CW, I <sub>th</sub> +20mA
Monitor current	I <sub>m</sub>	0.1	0.7	-	mA	CW, I <sub>th</sub> +20mA
Optical Isolation	I <sub>so</sub>	30	-	-	dB	25°C
Tracking error	Tr	-1	-	+1	db	I <sub>m</sub> Hold, -40~85°C

Note: The optical isolator is optional

**PIN assignment:** (bottom view)

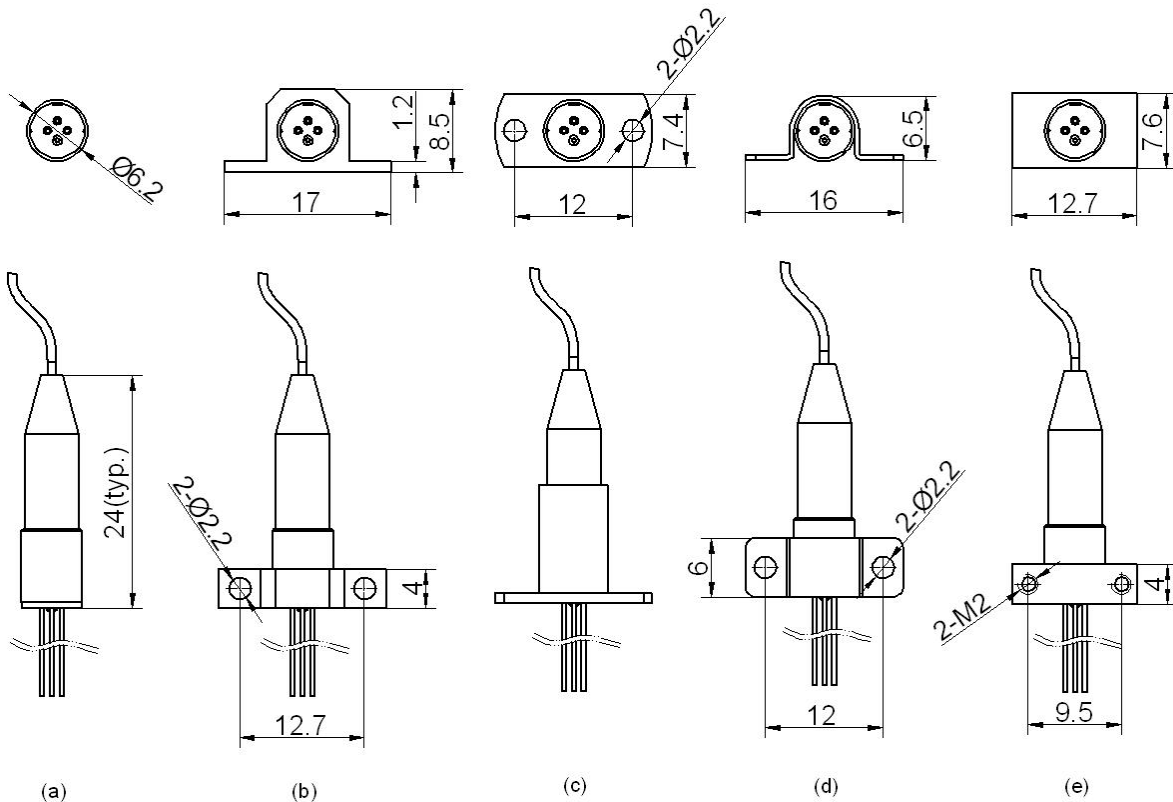


pin 1: Monitor Diode Anode  
 pin 2: Laser Anode and Case Gnd  
 pin 3: Laser Cathode  
 pin 4: Monitor Diode Cathode



pin 1: Laser Anode/Monitor Diode Cathode  
 pin 2: Case Gnd  
 pin 3: Laser Cathode  
 pin 4: Monitor Diode Anode

### Saddle Type:



### Order information

OLD-C-2-X-X-2-X-P-XX-X-XX

Isolator  
0:NO  
1:Single  
2:Double

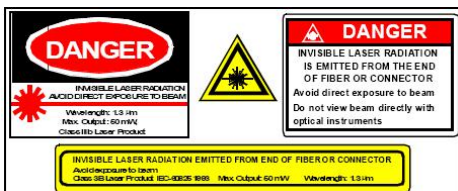
Output Power  
1:1.0 mW  
2: 2.0 mW  
3: 3.0 mW  
4:4.0 mW

Saddle  
1:A  
2:B  
3:C  
4:D  
5:E

Connector  
00:NO  
FA:FC/APC  
FP: FC/PC  
SA:SC/APC  
SU: SC/UPC  
SP: SC/PC

PIN  
B:typeB  
C:typeC

wavelength  
27:1270nm  
~  
61:1610nm



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