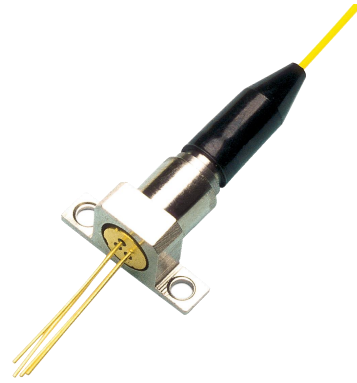


Features

- MQW 1310nm FP LD
- Low threshold current
- High output power
- Built-in InGaAsP monitor PD
- Wide temperature range operation
(Tc=-45°Cto+85°C)



Applications

- 2.5Gbps Transmitters

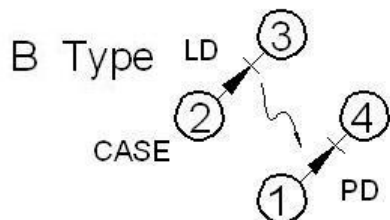
Absolute maximum ratings

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	-

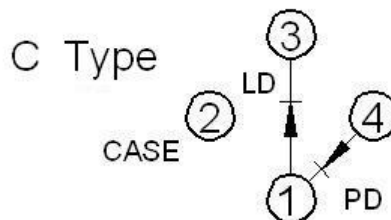
Optical & electrical characteristics

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	λ _c	1290	1310	1330	nm	-
Threshold current	I _{th}	-	5	15	mA	1310nm,25°C
Spectral width	Δλ	-	1	2	nm	CW,I _{th} +20mA
Output power	P	-	1.0	-	mW	CW,I _{th} +20mA,1310nm
Operating voltage	V _{op}	-	1.1	1.5	V	CW,I _{th} +20mA
Rise/ Fall time	Tr/Tf	-	-	0.1	nS	CW,I _{th} +20mA,20%~80%
Monitor current	I _m	0.1	0.7	-	mA	CW,I _{th} +20mA
Optical Isolation	I _{so}	30	-	-	dB	25°C

PIN assignment: (bottom view)



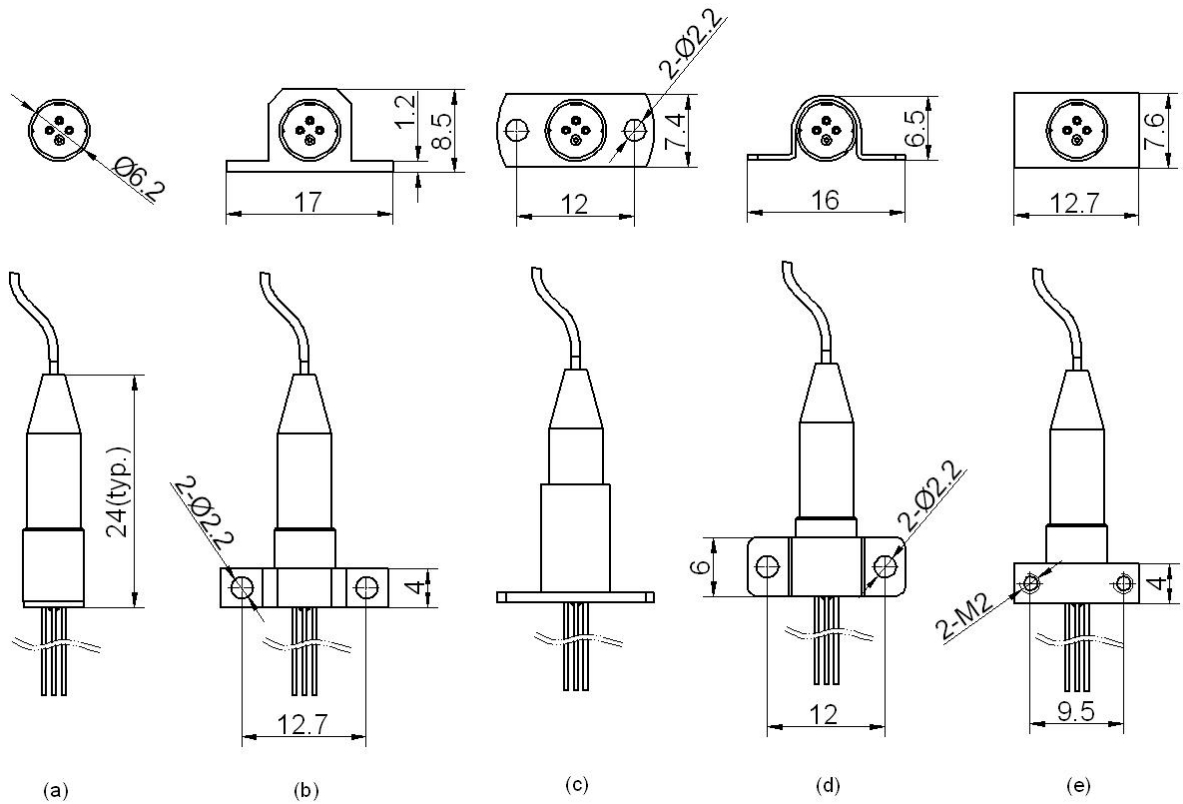
- pin 1: Monitor Diode Anode
- pin 2: Laser Anode and Case Gnd
- pin 3: Laser Cathode
- pin 4: Monitor Diode Cathode



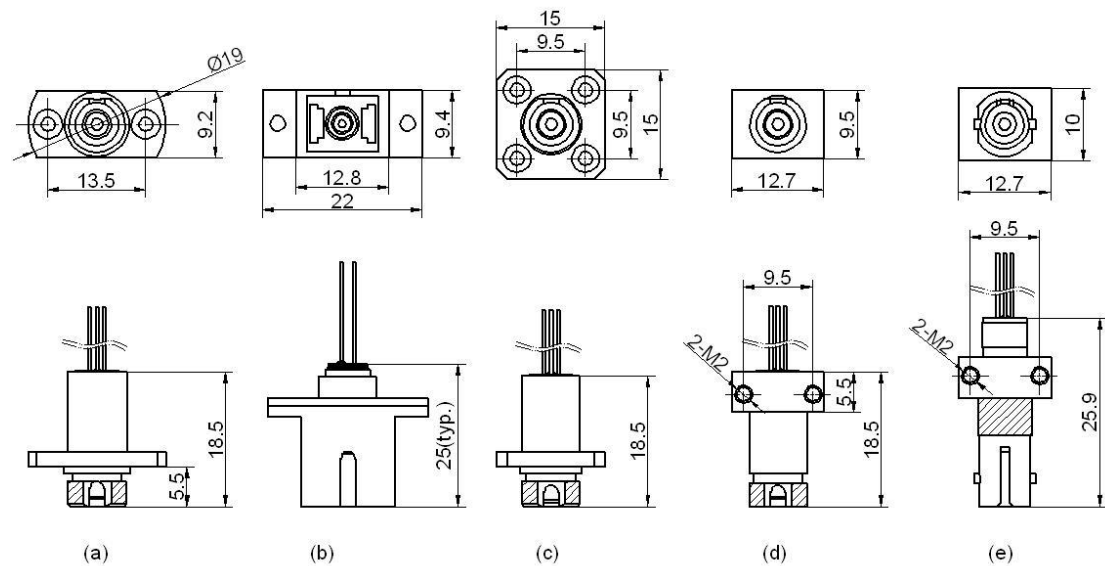
- pin 1: Laser Anode/Monitor Diode Cathode
- pin 2: Case Gnd
- pin 3: Laser Cathode
- pin 4: Monitor Diode Anode

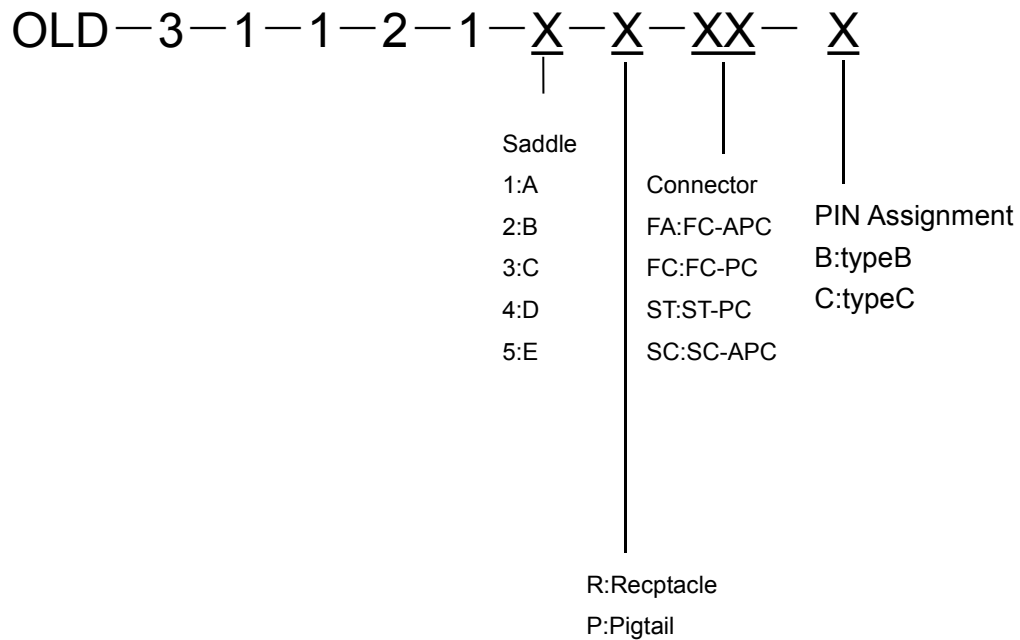
Saddle Type:

Pigtail:



Receptacle:



Order information

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