

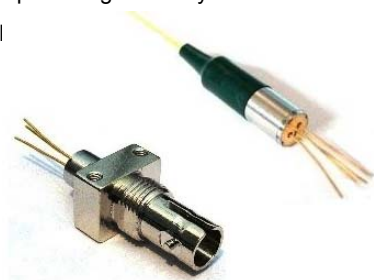
405nm 20mW LD Modules

Features

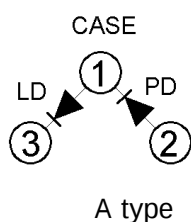
MQW F-P LD
Built-in InGaAsP monitor PD
Low threshold/operate current
High reliable

Applications

Fiber optic communications
Optical Sensing
Process Control
Test and Measurement Equipment
Optical Alignment Systems



PIN assignment



pin	Function
1(case)	LD(+)/PD(-)
2	PD(+)
3	LD(-)

This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is high recommended. Follow guidelines according to proper ESD procedures.



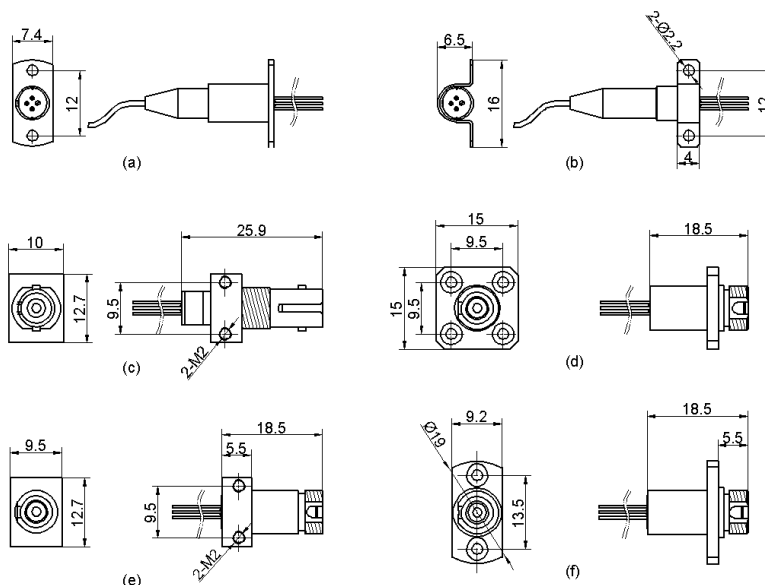
Absolute maximum ratings

Parameter	Symbol	Value	Unit
LD Reverse current	IF	100	mA
PD Reverse current	IF	2	mA
Operating temperature	Top	-10~+40	°C
Storage temperature	Tst	-40~+85	°C
Soldering temperature/time	-	240/10	°C /S

Optical & electrical characteristics(T=25°C)

Parameter	Symbol	Test condition	Min.	Max.	Unit	unit
Center wavelength	λ	CW	400	405	410	nm
Threshold current	I _{th}	-	-	35	50	mA
Operating Current	I _{op}	Po=20mW	-	120	150	mA
Operating Voltage	I _{op}	Po=20mW	-	4.8	5.5	mV
Monitor current	I _m	CW	-	0.4	0.7	mA

Dimensions Diagram



Order information

SV	X	X	X	X
	wavelength	PIN out	Power	Package
	4,405	1,A S,spec.	1,3mW 2,20mW	1, (a) 2, (b) 3, (c) 4, (d) 5, (e) 6, (f) S,spec.

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