

1310nm DFB LC-TOSA

Features

MQW 1310nm DFB LD
Built-in InGaAsP monitor PD
Wide temperature range operation
High reliability

Applications

Fiber communication



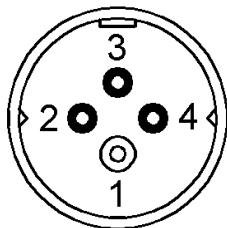
Absolute maximum ratings

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(T=25°C)

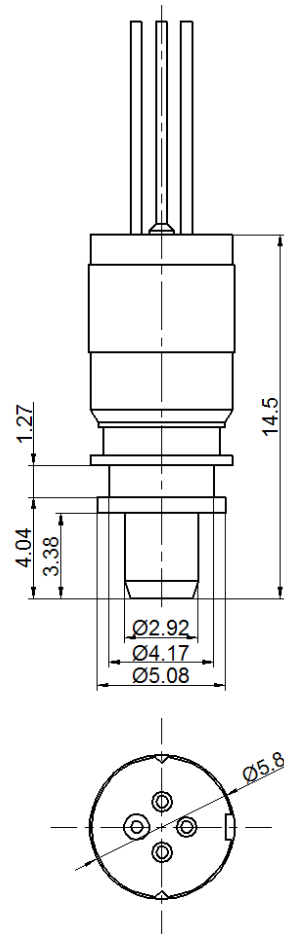
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test condition
Center wavelength	λ_c	1290	1310	1330	nm	-
Threshold current	I _{th}	-	5	15	mA	
Spectral width(-20dB)	$\Delta\lambda$	-	1	2	nm	CW, I _{th} +20mA
Side mode suppression ratio	SMSR	30	40	-	dB	
Output power	P	1	-	-	mW	CW, I _{th} +20mA
Operating voltage	V _{op}	-	1.1	1.5	V	CW, I _{th} +20mA
Rise/ Fall time	T _r /T _f	-	0.3	0.7	nS	CW, I _{th} +20mA
Monitor current	I _m	0.1	0.7	-	mA	CW, I _{th} +20mA
Optical Isolation	I _{so}	30	-	-	dB	-20~70°C

PIN assignment



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

Dimensions Diagram



Order information

SB-LT-31-	X	X	X	XX
	Isolater	Output power	rate	Add.info.
	0,non	L,0.2~0.5mW	1,1.25G	
	1,single stage	M, 0.5~1mW	2,2.5G	
	2,double stage	H, >2mW		
		S, spec.		