

Four-wavelength DFB-LD module light source for 100GBASE-ER4

- Built-in DFB-LD module with 100GBASE-ER4 corresponding wavelength.
(1295.56、1300.05、1304.58、1309.14 nm)
- You can specify the DFB-LD module.
(need time for built and check)
- LD driver(built-in):
 - (a) LD current 0~500mA
(Setting Resolution 1 mA / Measurement Resolution 0.1 mA)
 - (b) TEC current 0~±1.5A
(Measurement Resolution 1mA)
 - (c) Temperature 10~40°C
(Setting Resolution 0.1°C / Measurement Resolution 0.001 °C)



Model number : DFB-4LD

Usage : IEEE100GBASE-ER4

Price and Delivery : Contact us.

Parameter	Unit	Min	Typ	Max
Forward voltage	V		1.2	
Threshold current	mA		10	20
Fiber output	mW	10		
Peak Wavelength	Nm	1294.56	1295.56	1296.56
	Nm	1299.05	1300.05	1301.05
	Nm	1303.58	1304.58	1305.58
	Nm	1308.14	1309.14	1310.14
Side mode suppression ratio	dB	35		

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	Item	Specification
Power	Voltage	AC100V
	Current	2Amax
Environment	Temperature	15~35°C
	Humidity	With no condensation
	Module Type	Butterfly · 14 pin standard socket
LD	Drive System	ACC
	LD connection type	Floating, cathode GND
	LD current setting	0~500mA
	The same setting resolution	1mA
	Display / measurement resolution	1mA/0.1mA
	LD current limiter setting	10~500mA
	The same setting resolution	10mA
	LD voltage	0~3V
	Display / measurement resolution	0.01V/0.001V
	Type	PWM Type
TEC	Setting current	100~1500mA
	Setting Resolution	100mA
	Drive Current	0~±1.5A
	Current measurement resolution	1mA
	Display / measurement resolution	0.01V/0.001V
temperature	Setting range	10~40°C
	Setting Resolution	0.1°C
	Monitor Range	9~43°C
	Display / measurement resolution	0.1°C/0.001°C
Setting Method	Item Selection	Rotary Encoder Push
	Setting contents	LD current setting / LD current monitoring / LD voltage monitoring / temperature setting / Temperature monitor / TEC current / voltage monitor
	Setting method	Rotary encoder rotation
	LD ON/OFF	LD-SW push
Display	LCD	2x16(rows x chars)、with backlight
	LD,TEC状態	LED : green=Drive、red with blink=alarm
Communication	USB	Virtual COM port、19200bps
	コネクタ	USB-B
Equipment	Air	DC Fan x2

The Detail is here.

<http://www.symphotony.com/products/100gbase-er4-dfb-ld-module-light-source/>