

OD-B2523-L2xP (x:5,6)

**1244Mbps(up)/2488Mbps(down) SFP OLT Transceiver(2R) for PON system
with Digital Diagnostic Monitoring (DDM) Function**

FEATURES

- Applied to OLT(Optical Line Termination) for Single Fiber Bi-directional transmission on PON System.
- **ITU-T G.984.2 compliant**
- Single power supply voltage of 3.3V
- 2488Mbps continuous-mode transmitter operating at wavelength of 1490nm
- 1244Mbps burst-mode receiver operating at wavelength of 1310nm
- 2R function (Reshaping, Regenerating)
- Digital Diagnostic Monitoring(DDM) function
- Digital RSSI (Received Signal Strength Indicator) function
- RoHS Compliant



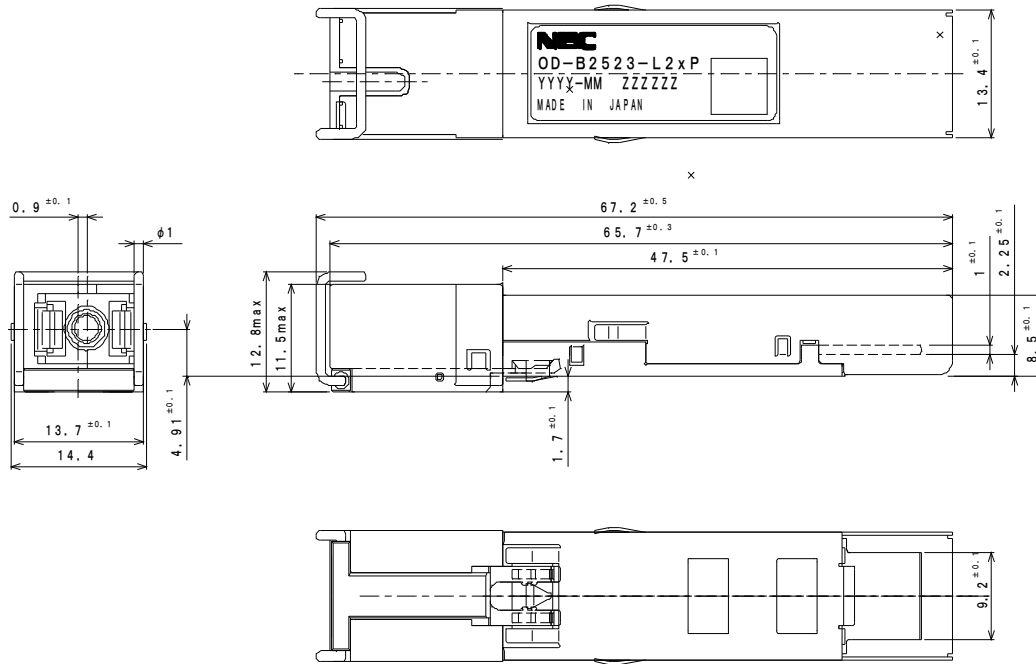
OPERATING CONDITIONS

Parameter	Unit	Values			Remarks
		Min.	Typ.	Max.	
Ambient Temperature	°C	0	–	+ 70	-L25P
		– 40	–	+ 85	-L26P
Power Supply Voltage	V	+ 3.13	+ 3.30	+ 3.46	
Power Supply Current	mA	–	300	500	

PERFORMANCE

Parameter	Unit	Values
TRANSMITTER (Continuous-mode)		
Bit Rate	Mbps	2488.32
Center Wavelength	nm	1480 to 1500
Laser Diode type	–	DFB-LD
Mean Output Power	dBm	+1.5 to +5
Extinction Ratio	dB	≥ 8.2
RECEIVER (Burst-mode)		
Bit Rate	Mbps	1244.16
Receive Wavelength	nm	1260 to 1360
Photo Detector	–	APD
Sensitivity	BER=10 ⁻¹⁰ dBm	≤ – 28
Overload	BER=10 ⁻¹⁰ dBm	≥ – 8

DIMENSIONS (Unit:mm)



PIN CONFIGURATION

PinNo.	Symbol	PinNo.	Symbol
1	VEET	11	VEER
2	TX_FAULT	12	RD-
3	TX_DISABLE	13	RD+
4	MOD_DEF(2)	14	VEER
5	MOD_DEF(1)	15	VCCR
6	MOD_DEF(0)	16	VCCT
7	RESET	17	VEET
8	SD	18	TD+
9	RSSITRG	19	TD-
10	VEER	20	VEET

ORDERING INFORMATION

Product number	Temperature range	Specifications	Status
OD-B2523-L25P	0 to +70deg. C	ITU-T Class B+	Available
OD-B2523-L26P	-40 to +85deg. C	ITU-T Class B+	Available

DATA SUBJECT TO CHANGE WITHOUT NOTICE

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EWV-19-0226-02E September 2010
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