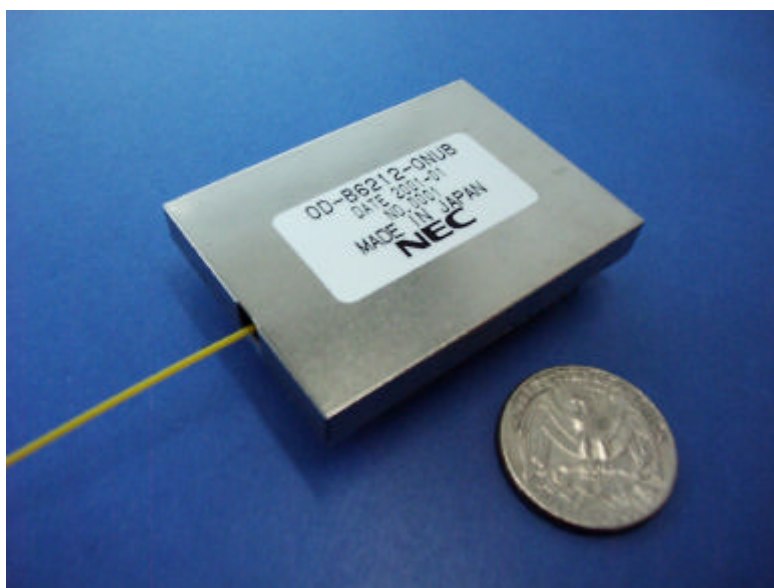


OD-B6212-ONUB

622Mbps(downstream)/622Mbps(upstream) PON Optical Transceiver Module for ONU

FEATURES

- Applicable to ITU-T G.983.1 ClassB
- Applied to **ONU(Optical Network Unit)** for Single Fiber Bi-directional PON System.
- Compact integrated Transceiver consists of
 - 1.3 μ m Burst-mode Transmitter with Feed forward APC Circuit by use of ROM.
 - 1.5 μ m Continuous-mode Receiver with Clock & Data recovery function.
 - 1.3/1.5 μ m WDM function by **Planar Lightwave Circuit (PLC)**.
- Optical output alarm (Tx ALM)
- Optical output shutdown (Shutdown)
- Optical input loss detection (Rx ALM)



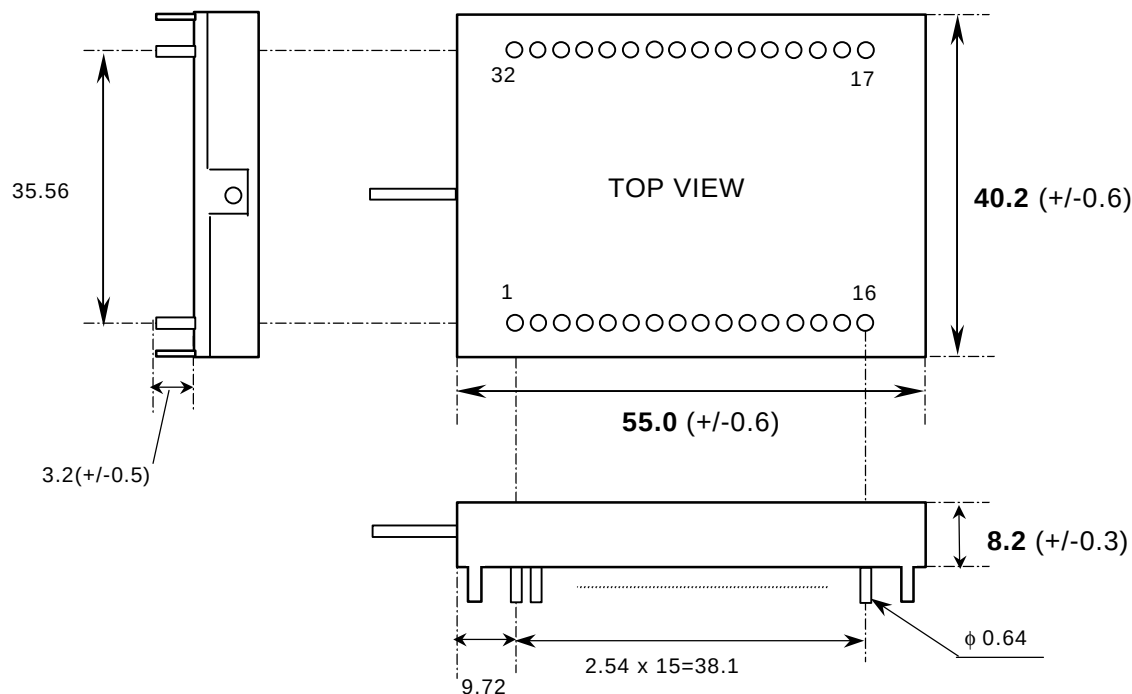
OPERATING CONDITIONS

Parameter	Unit	Values		
		Min.	Typ.	Max.
Ambient Temperature	°C	- 40	—	+ 85
Power Supply Voltage	V	+ 3.14	+ 3.30	+ 3.46
Power Supply Current	mA	—	300	500

PERFORMANCE

Parameter	Unit	OD-B6212-ONUB
TRANSMITTER (Burst-mode)		
Bit Rate	Mbps	622.08
Laser Diode type	—	FP-LD
Center Wavelength	nm	1274 to 1360
Spectral Width(RMS)	nm	≤ 2.8
Mean Output Power	dBm	− 1 to + 4
Extinction Ratio	dB	≥ 10
RECEIVER (Continuous-mode)		
Bit Rate	Mbps	622.08
Receive Wavelength	nm	1480 to 1580
Photo Detector	—	PIN-PD
Sensitivity	dBm	≤ − 28
Overload	dBm	≥ − 6
Optical output alarm	—	Normal operation : Low level Transmitter fault condition : High level
Optical output shutdown	—	Optical output enable : Low level Optical output shutdown : High level
Optical input loss detection	—	Normal operation : Low level No optical input : High level

DIMENSIONS (Unit:mm)



DATA SUBJECT TO CHANGE WITHOUT NOTICE

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