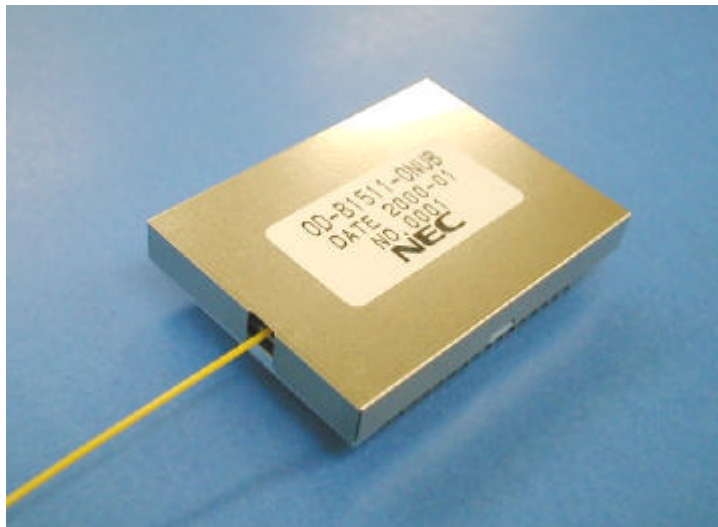


OD-B1511-ONUB /-ONUC

156Mbps(downstream)/156Mbps(upstream) PON Optical Transceiver Module for ONU

FEATURES

- Full Compliance with ITU-T G.983.1 ClassB/C for Single Fiber Bi-directional Transmission.
- Applied to *ONU(Optical Network Unit)* located on Subscriber Side.
- 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)



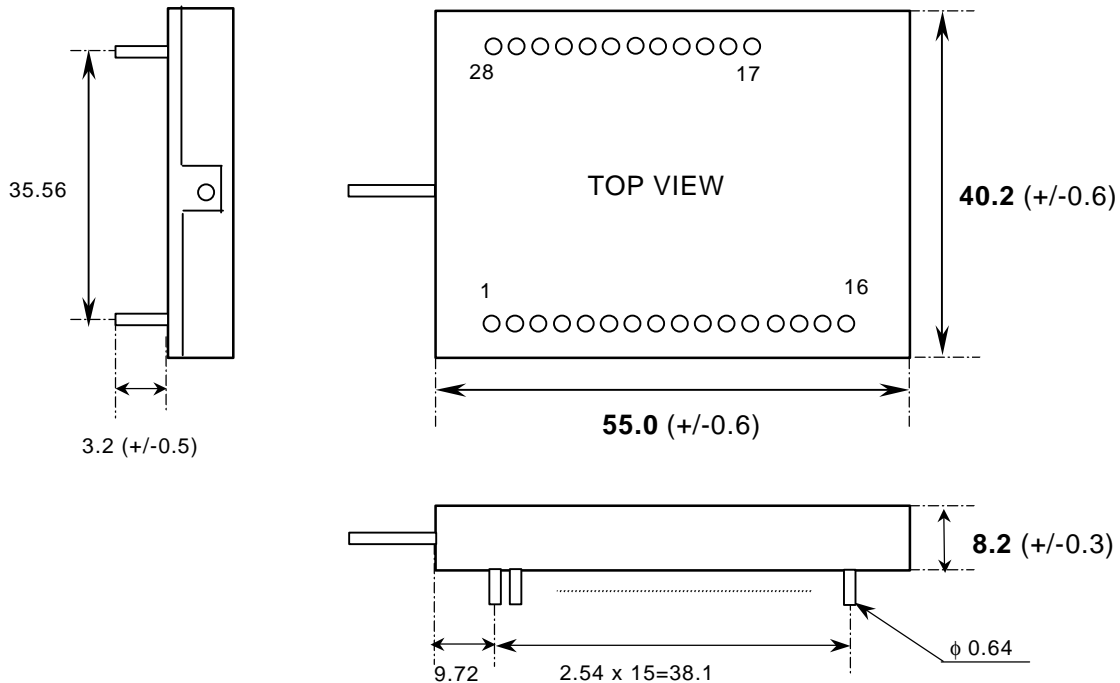
OPERATING CONDITIONS

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	-	200	350

PERFORMANCE

Parameter	Unit	OD-B1511-ONUB	OD-B1511-ONUC
Bit Rate	Mbps	155.52	
TRANSMITTER (Burst-mode)			
Laser Diode type	–	FP-LD	
Center Wavelength	nm	1260-1360	
Spectral Width(RMS)	nm	≤ 5.8	
Mean Output Power	dBm	– 4 to + 2	– 2 to + 4
Extinction Ratio	dB	≥ 10	
RECEIVER (Continuous-mode)			
Receive Wavelength	nm	1480-1580	
Photo Detector	–	PIN-PD	
Sensitivity	dBm	≤ – 30	≤ – 33
Overload	dBm	≥ – 8	≥ – 11
Optical output alarm	–	Normal operation : High level Transmitter fault condition : Low level	
Optical output shutdown	–	Optical output enable : High level Optical output shutdown : Low level	
Optical input loss detection	–	Normal operation : High level No optical input : Low level	

DIMENSIONS (Unit:mm)



DATA SUBJECT TO CHANGE WITHOUT NOTICE

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