

# RoHS COMPLIANT 1GBPS 850NM OR 1310NM 550M MULTIMODE, SFP OPTICAL TRANSCEIVER

## PRODUCT FEATURES

- 850nm or 1310nm wavelength
- 1Gbps data rate operation
- Compliant with SFP MSA and SFF-8472 with duplex LC type of connector
- 550m transmission with 50/125µm MMF
- 275m transmission with 62.5/125µm MMF
- Very low EMI and excellent ESD protection
- +3.3V single power supply
- RoHS compliant
- Case operating temperature
  - Commercial: 0°C to +70°C

## APPLICATIONS

- Gigabit Ethernet
- Fiber Channel
- Switch to Switch interface
- Switched backplane applications
- Router/Server interface
- Other optical transmission systems



## DESCRIPTION

The SFP transceivers are high performance, cost effective modules supporting data-rate of 1Gbps for up to 550m transmission distance with MMF 50/125µm and up to 275m transmission distance with MMF 62.5µm.

The transceiver consists of three sections: a VCSEL laser transmitter, a PIN photodiode integrated with a trans-impedance preamplifier (TIA) and MCU control unit. All modules satisfy class I laser safety requirements.

The transceivers are compatible with SFP Multi-Source Agreement (MSA) and SFF-8472. For further information, please refer to SFP MSA.

## ORDERING INFORMATION

Product part Number	Data Rate (Mbps)	Media	Wavelength (nm)	Transmission Distance (m)	Temperature Range (Tcase) (°C)
NVL-SFP-MM-1G-V1 or V2*	1000	Multi mode fiber	850 or 1310	<550	0-70 commercial

\*V1 Type or V2 Type, depends on compatibility switches brand