



Introduction

The Small Form-Factor Pluggable (SFP) is a single-mode fiber SFP that plugs into an ADTRAN optical interface designed to accept SFPs. The SFP provides a single optical interface to a physical interface, and is intended for use with a Gigabit Passive Optical Network (GPON) module. Installed into an appropriate module, the SFP provides a GPON interface to the supporting system. OV2000 is designed for use in GPON ONT applications. OV2000 has a Digital Diagnostic Monitoring (DDM) function with internal calibration.

General	
Module Type	SFP
SM/MM	Mode Fiber
Single/Dual-fiber	Single-fiber
Optical Connector	SC
Applications:	ONU
Distance	20 km
Digital Diagnostic Monitoring	SFF8472 Compliant
Optical	
Optical Budget	26 dB (+/- 1)
Transmitter	Laser Diode Type: DFB Tx Central Wavelength: 1310 nm Tx Output optical power: +0.5 dBm to +5.0 dBm Tx Spectral width: 1 nm SMSR: 30 dB
Receiver	Extinction Ratio: 10 dB Rx Type: APD/TIA Rx Central wavelength: 1490 nm Input optical power: -8.0 dBm to -27 dBm Receiver Overload: -8 dBm Receiver Sensitivity: -27 dBm
Operational temperature range	-40°C to +65°C
Case temperature hardened range	-40°C to +85°C
Storage temperature range	-40°C to +85°C
Relative humidity	5 to 85%, noncondensing