

## 1.25Gb/s SFP Bi-di Transceiver 20km

**Hot Pluggable, Single LC, +3.3V, 1310 FP/1490nm DFB, DDMI**



**Description:** Bi-Directional transceiver is a high performance, cost effective module ,which is compliant with SC Optics interface with built in WDM for Bi-Directional serial optical data communication applications. This module is designed for Single-Mode single fiber, operates at the normal wavelength of 1310/1490nm. Standard AC coupled CML for high speed signal and LVTTTL control and monitor signals. The transmitter section incorporates FP or DFB and driver IC with temperature compensation and automatic power control circuit, which make the transmitter section output power and Extinction ration stabled in operation temperature. The receiver section incorporates an efficient InGaAs photodiode and transimpedance with AGC for wide dynamic range.

### Features:

Single Mode bi-directional Transmission  
 SFP Multi-source Package with LC Receptacle  
 Up to 1.25Gb/s Data Links  
 Hot-Pluggable Capability  
 Up to 20 km on 9/125 $\mu$ m SMF  
 +3.3V Power Supply -9.5 dBm to -3 dBm  
 Built-in DDMI  
 Monitoring Interface Compliant with SFF-8472  
 Sensitivity -23 dBm  
 Metal Enclosure, Excellent EMI & ESD Protection  
 Compliant with 1000Base-LX, IEEE802.3z  
 Compliant with Bellcore TA-NWT-000983

Eye Safety Designed to Meet Laser Class1,  
 Compliant with IEC60825-1  
 Operating temperature: 0°C to 70°C, Storage temperature: -40°C to 85°C  
 RoHS Compliant

### Applications:

Gigabit Ethernet  
 Fiber Channel  
 WDM Application

### Order Information:

NVT-SFP-BIDI-20