

SFP 622M 1310nm Duplex

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Variants

47km LC

Details

The **SFP 622M 1310nm 47Km LC Duplex** transceiver is a high-performance, cost-effective optical module designed for long-distance transmission in SDH/SONET, ATM, and other optical networking applications. Operating at a data rate of **622 Mbps**, it uses a **1310nm FP laser** and supports transmission distances up to **47 kilometers** over single-mode fiber (SMF), making it ideal for metro and access networks.

Key Features:

1. **Form Factor:** SFP (Small Form-Factor Pluggable)
2. **Data Rate:** 622 Mbps (OC-12/STM-4)
3. **Wavelength:** 1310nm
4. **Transmission Distance:** Up to 47 km over single-mode fiber

5. **Connector:** LC duplex

6. **Receiver Type:** PIN photodiode

7. **Digital Diagnostics Monitoring (DDM):** Optional

8. **Power Supply:** +3.3V

9. **Power Consumption:** 1.5W (typical)

10. **Operating Temperature:** 0°C to +70°C (commercial); -40°C to +85°C (industrial optional)

11. Compliance:

- o SFP MSA (Multi-Source Agreement)

- o SONET OC-12/SDH STM-4 standards

- o RoHS compliant

- o Class 1 Laser Safety (IEC-60825)

Applications:

1. SONET/SDH OC-12/STM-4 links
2. ATM/Telecom backbone networks
3. Long-haul optical transmission
4. Enterprise LAN/WAN environments
5. Metro Ethernet and access network deployments