

HOSO-1.OEC

STM-1 Optical/Electrical Converter



➤ Overview

HOSO-1.OEC is an interface converter for STM-1 electrical and optical interface conversion. It is designed for the SDH equipment coaxial interface and optical interface interconnect, as well as the ATM 155.520 Mbps interface and SDH device interconnection.

Complete loop-back facility supported for system diagnostic and commissioning. Compact casing and simple operation achieve the cost saving and investment protected.

➤ Features

1. High reliability, comply to ITU-T G.703 and G.957
2. Single Fiber Bi-Directional is selectable
3. State-of-the-art design, ensure normal working under different environment.
4. Supports local and remote loop-back on electrical or optical interface for system diagnostic.
5. Suitable for SDH and ATM 155.52 Mbps interface interconnection.
6. Simple operation and maintenance
7. Compact design and low power consumption.

► Technical Specifications

| Item | Description | |
|----------------------|---------------------------|---|
| Electrical Interface | Standard | ITU-T G.703 Compliant |
| | Data Rate | 155.52 Mbps |
| | Line Code | CMI |
| | Physical Connector | BNC Coaxial |
| Optical Interface | Standard | ITU-T G.957 STM-1 |
| | Bit rate | 155.520 Mbps |
| | Coding | NRZ |
| | Connector | SC |
| | Light source | Laser Diode |
| | Wave length | 1310nm (Typical), or 1550 nm (Optional) or Single Fiber Bi-Directional (Optional) |
| | Transmit power | -12 dBm (1310nm) / -5 dBm (1550nm) |
| | Receive sensitive | -36 dBm (1310nm) / -38 dBm (1550nm) |
| Power supply | AC 220V | Range 165V to 265 V |
| | DC -48V | Range -32V to -72V |
| | Power Consumption | ≤ 3 W |
| Environment | Working Temperature | 0°C~50°C |
| | Relative Humidity | ≤ 90% (Non condensing) |
| Dimension | W×H×D(mm): 205 x 136 x 42 | |

► Typical Application

