RF OVER FIBER OPTIC INTERFACILITY LINK

OZ9800 Series - Fixed Configuration Subsytem



Features

- 30 MHz to 6.0 GHz Bandwidth
- Houses up to (5) units of OZ600/ OZ800/OZ1600 Cooled TX, RX, & TRX
- Front Panel Alarm Indicator
- 0°C to +60°C Operating Case Temperature
- LP/PD Monitoring and Alarm
- Dual Universal AC Power Supplies
- Dry Contact Alarm outputs per each Tx and Rx
- 1U, 19 x 15 in. Chassis
- MTTF exceeds 10 years at +50°C
- Laser Conforms to Class 1 Emission Level per CDRH and IEC-825 (EN 60825) Standards

Major Benefits

- Extended Bandwidth of 10 KHz to 6.0 GHz
- RS232 Link for each Transceiver or stand-alone Tx and Rx
- CWDM Lasers
- Optional DC Power Supply
- Internal WDM or CWDM for Single Fiber functionality
- Multimode fiber compatibility

Applications

- Wi-Max
- 4G LTE
- Cellular Backhaul
- MMDS
- Remote Antenna Location
- Satcom
- In-Building Solutions
- GPS Distribution
- Timing Delay

OZ9800

Description

The OZ9800 is an EIA 310-D Standard 19 inch 1U rack mounted unit that can accommodate multiple high performance, broadband, fiber optic transceivers with low Noise Figure (NF) designed for various RF over Fiber applications. You may populate the OZ9800 with up to 5 u nits of OZ600 or OZ810 series transceivers, where each transceiver is capable of carrying an individual RF signal over single mode fiber optic cable (optional multimode functionality is also available). In additional to the RFoF transceiver modules, it may hold an 8-Channel CWDM Mu/ Dmux for single fiber operation, or multiple WDM Mux's or Dmux's for custom configurations with optional loop-through Gigabit Ethernet Digital Data stream.

The OZ9800 as an Interfacility Link (IFL) offers high Spurious Free Dynamic Range (SFDR) with operational frequencies from 30 MHz to 6.0 GHz, or more. Optional extended bandwidth of 10 MHz to 6.0 GHz is also available.

The OZ9800 chassis is powered by AC 110 V to 240 V using built-in universal dual power supplies or +12 V DC. An optional RS 232 data modem, alarm and monitoring functions are all also available for each transceiver via DB-9. Front panel indicators provide visual indication of the power supplies operation and the cumulative link status. Individual unit status may be monitored via connectors available at the back panel. Alarm conditions are indicated via relay contact ("dry contacts").

7510 Hazeltine Avenue, Los Angeles, CA 91405 · Tel: 818 780 9701 · Fax: 818 780 9739