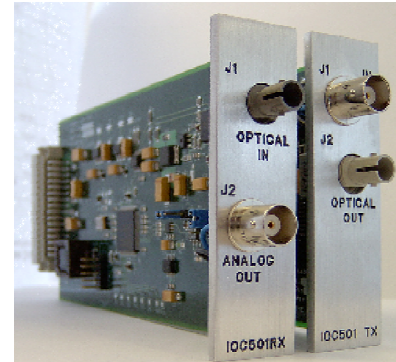




IOC561 FIBER OPTIC ANALOG SIGNAL TRANSMIT / RECEIVE MODULES



FEATURES

- DC to 10 MHz analog input / output
- Voltage levels up to 2Vp-p
- 75Ω input termination
- ST multi-mode or SC single mode fiber connection
- BNC connectors
- DC isolated link

OVERVIEW

The IOC561TX and IOC561RX Pluggable Interface Modules (PIM) provide the ability to transfer electrical signals over optical cables. These modules are used to provide a DC isolated data link over a medium length (up to a few miles) data path and reduce radiated emissions.

The IOC561TX transmitter module accepts analog data in the frequency range of DC to 10 MHz and converts it to an optical signal for transmission over multi-mode or single-mode fiber cable. The IOC561RX receiver module accepts the optical signal from the transmitter and converts the optical signal back to analog. DC levels up to 2 Vp-p are supported. The IOC561RX module contains jumper selections for unipolar or bipolar output range. The IOC561 modules use industry standard BNC connectors for analog signals, ST or SC connectors for optical signals, depending on the type of fiber, and require 1 of the 14 available slots in the 2073 chassis or individually installed in the 2073-S chassis. LED front panel indicators provide status of the IOC561 modules function. The A LED on the IOC561TX will be lit when the module receives power. The A LED on the IOC561RX will be lit when connected to a properly operating IOC561TX module. If using the AL2873 chassis, status can also be obtained using the chassis front panel or via the Ethernet port.

SPECIFICATIONS

GENERAL

Model 2073 Pluggable Interface Module
Multi-mode or Single-mode fiber
Single slot module (3" x 6" x 0.9")
Status via Ethernet

ELECTRICAL I/O TYPE

Analog on BNC connector
DC to 10 MHz bandwidth
DC to 2 Vp-p level
DC coupled

ELECTRICAL SIGNAL OUTPUT

Analog on BNC connector
DC to 10 MHz
High current

OPTICAL SIGNAL I/O

ST—Multi-mode (820 nm wavelength)
SC—Single-mode (1310 nm wavelength)