



Fiber Distribution Module (FDM)



FEATURES

- Single Slot AL3073 series module
- Encodes single PCM data/clock input to six (6) identical fiber outputs.
- Single mode fiber transmitters
- LC fiber optic connectors
- Operational within 10 seconds of power up

OVERVIEW

The 3101 Fiber Distribution Module (FDM) receives a data/clock pair at 0 degree relationship and then encodes the data to a format that is compatible with a single fiber transmitter. This encoded signal is transmitted out six identical fiber ports. No setup or control is needed for this module.

All six ports are single-mode transmitters with LC connectors.

When being received by a compatible card (such as the model 3201), the data and clock are recreated with a delay of one data period + 60-70 nS.

The 3101 also drives a status signal on the front of the AL3073 chassis. The LED status shows whether data and clock are present. If data and clock are present, the signal will be output on all six fiber transmit ports.

SPECIFICATIONS

General

- Single Slot AL3073 series module
- One (1) PCM data/clock input
- Six (6) identical fiber optic outputs

INPUT

- Serial TTL data and clock
- Input rates from 100 bps to 32 Mbps
- DIN std receptacle [1.0/2.3]
- 75Ω input termination to ground
- Zero degree data/clock relationship

OUTPUT

- Six (6) identical fiber optic outputs
- Single modes fiber drivers
- LC fiber optic connectors

STATUS

- AL3073 chassis front panel LEDs
 - Data/clock present

ENVIRONMENTAL SPECIFICATIONS

- Non-Operating:
 - Temperature: 10° – 130° F
 - Humidity 5% - 90% non-condensing
- Operating:
 - Temperature: 50° - 100° F
 - Humidity: 15% to 70% non-condensing