

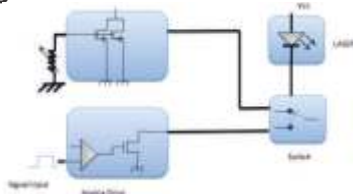


Features

- Provision for Analog input, TTL input and RS-232 input
- Display to indicate forward voltage across and forward current flowing through LASER source
- Voltage and current is varies using intensity controle potentiometer
- Built in pulse generator with pulse widths of 30ns and 100ns
- All Connectors are suitable for ST type of connector interface

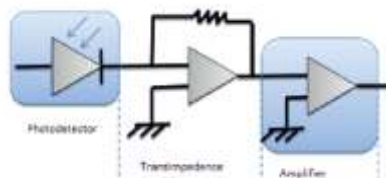
Laser Driver Circuit

Digital and Continuous Wave Driver Circuits



Two driver modes are available in this system, one for pulse operation and analog transmission, other for continuous wave operation and Digital Transmission. These are controlled by rotary switch available on front panel.

Photodetector Circuit



Photodetector produces current in response to optical input. This current produced is then converted to voltage and amplified by amplifier. This amplified output is measured as electrical

Note: Specifications are subject to change.

output

Specifications

Provision for analog input, TTL input and RS-232input

Displays to indicate forward voltage across and forward current flowing through LED source

Voltage and current is varied using intensity control potentiometer

Source - 1

Type : LASER
Central Wavelength : 1310nm
Spectral Width : 2nm
Output Power : 0.8mW
Threshold Current : 5mA

Source - 2

Type : LASER
Central Wavelength : 1550nm
Spectral Width : 1nm
Output Power : 0.9mW
Threshold Current : 5mA

Detector - 1

Type : PIN photo diode
Spectral Bandwidth : 1250nm ~ 1600nm
Responsivity : 0.8 A/W
Bandwidth : 1.5 GHz

Detector - 2

Type : PIN TIA photo diode
Spectral Bandwidth : 1150 ~ 1600nm
Sensitivity : -37dbm
Signal Bandwidth : 155 MHz
Data Rate : 155 Mbps

Pulse Generator

Pulse Width : Selectable from 30ns and 100ns
30ns Pulse Amplitude : 3V
100ns Pulse Amplitude : 4V

Accessories

ST-ST Patch Cord - 1mtr : 07 No.
Power Cord : 01 No.
BNC-BNC Cable : 03 No.
BNC-BNC 'T' Conn. : 01 No.
RS232 Cable : 02 No.