



The FILT-S3A-2050-8/12/16 series of fiber optic transmitters allow the operator to distribute DTH/DBS signals from a single satellite dish to multiple locations via single mode fiber. The transmitter is available in 8, 12, and 16 output versions to accommodate a variety of MDU topologies. The unit features automatic gain control (AGC) on the satellite input to help ensure optimum input levels with changes in weather. The transmitter is equipped with two LED indicators, one for power on (green) and the other for a low RF input alarm (red). For remote monitoring, a TTL based alarm monitor is provided on the rear panel. The alarm will trigger with either a low RF input; optical or DC failure. An alarm condition results in the monitor output going low (0 VDC). Under normal operating conditions the monitor output is 5 VDC. All three versions of the transmitters are in a single height, 1.75" high, 19" rack mount aluminum chassis for easy installation into any headend. Switched LNB power is multiplexed on the RF input connector, eliminating the need for external power inserters.

○ Features & Benefits

- 950-2050 MHz Bandwidth For Stacked LNB Applications
- FILT Transmitters Available in 8, 12 or 16 Output Configurations
- Alarm Status TTL Output
- Switched LNB Power On RF Input Connector
- Companion to FILN Series Fiber Optic L-Band Receivers
- Supports Fiber Lengths Up To 2.5 Miles (4 KM)

○ Specifications

RF

Input

Frequency Range: 950-2050 MHz
Impedance: 75 Ohms

Input Level Range (L-Band): -6 to +14 dBmV (optimum)

Temperature Range: 0° to +45° C

Optical

Output Level

8 Output: -10 dBm
12 Output: -8.0 dBm
16 Output: -10 dBm

Wavelength: 1310 nm

General

Power Requirements

Voltage: 100-265 VAC
Frequency: 50/60 Hz
Power: 12 W

LNB Supply

Voltage: 18 V
Current: 300 (max.) mA
Protection: Lightning, Short Circuit

Mechanical

Dimensions (WxHxD): 19 x 1.75 x 13.6 in, 482.6 x 44 x 345.4 mm
Weight: 9 lbs, 4.1 kg

Connectors (Rear Panel)

RF Input: "F" Type, Female
Optical Outputs: FC/APC
TTL Monitor: 2 Contact Terminal Strip

○ Ordering Information

Model	Stock No.	Description
FILT-S3A-2050-8	7501 8	Multi-Output L-Band Fiber Optic Transmitter, 8 Outputs 950-2050 MHz, Single-mode, 1310 nm, -10 dBm Output, FC/APC Conn
FILT-S3A-2050-12	7501 12	Multi-Output L-Band Fiber Optic Transmitter, 12 Outputs 950-2050 MHz, Single-mode, 1310 nm, -8 dBm Output, FC/APC Conn.
FILT-S3A-2050-16	7501 16	Multi-Output L-Band Fiber Optic Transmitter, 16 Outputs 950-2050 MHz, Single-mode, 1310 nm, -10 dBm Output, FC/APC Conn

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