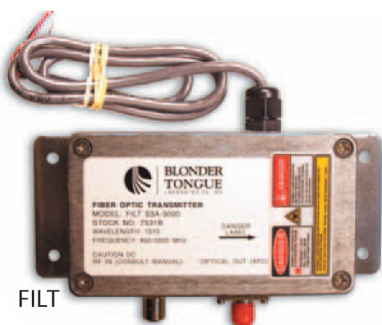


# Single Link L-Band Fiber Transmitter/Receiver

## 850-3000 MHz

Twin Star - FILT/FILR



FILT



FILR

The FILT S3A-3000 L-Band fiber optic transmitters and FILR S4A-3000 receivers provide a cost-effective method of transporting L-Band signals to satellite receivers with the EMI immunity and superior performance inherent in fiber optic links. A typical application would be to transport LNB signals from a remote TVRO site to the headend facility as an alternative to coaxial distribution avoiding its associated high loss and slope. The FILT/FILR, along with Blonder Tongue's L-Band distribution amplifiers, optical couplers and L-Band passive devices can also be used in distributing L-Band signals within MDU's.

### ○ Features & Benefits

- Affordable Alternative to Coaxial LNB Cabling
- Compact and Environmentally Protected Housing
- 850-3000 MHz Bandwidth For Enhanced Frequency Stacking Applications
- 18 dB Optical Loss Budget

### ○ Specifications

#### RF

Frequency: 850-3000 MHz  
RF Impedance Input: 75 Ohms  
RF Return Loss: 10 dB  
Wavelength: 1310 ± 30 nm  
Fiber: Single Mode  
Link RF Gain @ 12 dB Optical Loss: -4 dB to ±5 dB  
Noise Figure (LINK): ≤32 dB  
FILT RF Input: +19 dBmV (max)  
Optical Output Power: +3 dBm  
FILT Optical Input: -15 dBm to +3 dBm

#### Mechanical

Module Dimensions (WxHxD):  
5.75 x 2.56 x 1.25 in  
146.4 x 65 x 31.8 mm  
Weight: 16 oz

#### Alarm

Receiver: Received Optical Power Low  
(Open Collector Output)  
Operating Temperature: -40 to +60 °C

#### Connectors

Optical: FC/APC (2.14 mm Key)  
RF: "F"

#### Power

	TX	RX
8 VDC:	250ma	200ma
12 VDC:	170ma	150ma
15 VDC:	135ma	120ma
18 VDC:	115ma	100ma
24 VDC:	85ma	70ma

Power Supply: ACCS-PS-170  
(BT Stock No. 7419)



Available at Multicom  
Call: 800-423-2594  
[www.multicominc.com](http://www.multicominc.com)  
email: [multicom@multicominc.com](mailto:multicom@multicominc.com)

### ○ Ordering Information

Model	Stock No.	Description
FILT-S3A-3000	7531A	L-Band Fiber Optic Transmitter, Single-mode 850-3000 MHz, 1310 nm, FC/APC Connector, Stand Alone Unit
FILR-43A-3000	7532A	L-Band Fiber Optic Receiver, Single-mode 850-3000 MHz, 1310 nm, FC/APC Connector, Stand Alone Unit