

# MIBT/SIBT M3T-25

# MIBR/SIBR M3T-25

Retro Linx

Fiber Optic VSB/AM Transmitters/Receivers - 5 Channels



MIBT/MIBR  
Sample Rack Mount

SIBT/SIBR  
Sample Stand Alone

The MIBT/SIBT-M3T-25 series fiber optic transmitters along with the MIBR/SIBR-M3T-25 receivers provide a high-quality system for transporting up to five TV channels over a multimode optical fiber. With an RF bandwidth from 5 MHz to 250 MHz, these units can transmit sub-band, low-band, FM, mid-band or high-band channels. Optimum performance is achieved when the channel (frequency) plan is within a single octave of bandwidth. The system can transmit signals from a VCR, camcorder or cable television feed over a distance of 3 km on one multimode fiber. Tri-color LED's are used to indicate optimum RF input level on the transmitters and optical input status on the receivers. Green indicates an acceptable level, red is too high and amber is too low. These products are recommended for use with multimode fibers only and require a minimum fiber bandwidth of 250 MHz.

## Features & Benefits

- Low Cost
- 5-250 MHz RF bandwidth
- SIBT/SIBR Designed for Stand Alone Applications
- MIBT/MIBR fits in our MIRC-12 and FIRC-3 Rack Chassis' for 19 Inch Rack Mounting
- Up to Five Channels Over a Multimode Fiber
- Distance to 3 km

## Specifications

### LINK @ 25 °C, Single-mode Fiber

Bandwidth: 5-250 MHz  
Operating Wavelength: 1310 nm  
CATV Channels: 5  
CNR (-7 dBm Input, 5 Ch. Load): 47 dB  
CSO (5 Ch. Load): -71 dB  
CTB (5 Ch. Load): -55 dB  
Input/Output Impedance: 75 Ohms  
Operating Temperature Range: +10 to +40 °C  
Weight: 6 oz, 170 g (per unit)  
Physical Dimensions  
SIBT (WxHxL): 3.75 x 2.95 x 1.12 in  
146 x 74 x 28 mm  
MIBT (WxHxL): 1.15 x 3.5 x 7.5 in  
29 x 89 x 191 mm

### Transmitters

RF Input Level (5 Channel): +6.0 dBmV  
Optical Output: -7 dBm  
Power Supply Voltage:  
MIBT: 12 VDC  
SIBT: 9 VDC  
Power Dissipation: 1.8 W

### Receiver

Optical Input Range: -16 to -6 dBm  
Power Supply Voltage: -12 VDC  
Power Dissipation: 1.8 W

### Connectors

Optical Output: ST™  
RF Input: "F"  
Power Supply  
SIBT: ACCS-PS-90 (BT Stock No. 7417)  
SIBR: ACCS-PS-120 (BT Stock No. 7419)  
MIBT/MIBR:  
MIPS-12C (BT Stock No. 7722C)  
Power Supply and  
MIRC-12V (BT Stock No. 7715)  
Chassis

## Ordering Information

Model	Description
SIBT-M3T-25	Fiber Optic Transmitter, 5 Channel 5-250 MHz, Multimode, 1310 nm, ST Connector, -7 dBm Optical
SIBR-M3T-25	Fiber Optic Receiver, 5 Channel 5-250 MHz, Multimode, 1310 nm, ST Connector
MIBT-M3T-25	Fiber Optic Transmitter, 5 Channel 5-250 MHz, Multimode, 1310 nm, ST Connector, -7 dBm Output
MIBR-M3T-25	Fiber Optic Receiver, 5 Channel 5-250 MHz, Multimode, 1310 nm, ST Connector