

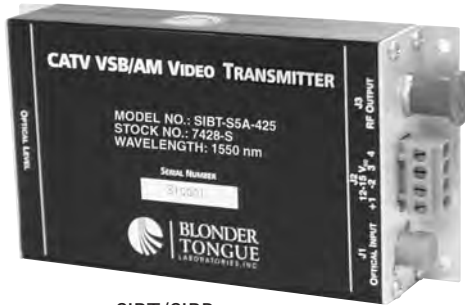
MIBT/SIBT S5A-425 MIBR/SIBR S5A-425

Retro Linx

Fiber Optic VSB/AM Transmitters/Receivers - **25 Channels**



MIBT/MIBR
Sample Rack Mount



SIBT/SIBR
Sample Stand Alone

○ Features & Benefits

- Up to Twenty Five Channels on One Single Mode Fiber
- 5-350 MHz Bandwidth
- Supports Transmission of Sub-band, Low-band, FM, Mid-band and High-band Channels
- Utilizes Inputs from Standard CATV VSB/AM Modulators, Processors, etc.
- 1550 nm Operation to 50 km
- Tri-color LED For Optimum Input Indication
- SIBT/SIBR Designed for Stand Alone Applications
- MIBT/MIBR fits in our MIRC-12 and FIRC-3 Rack Chassis' for 19 Inch Rack Mounting

○ Specifications

The MIBT/SIBT-S5A-425 series fiber optic transmitters along with the MIBR/SIBR-S4A-425 receivers provide a high-quality system for transporting up to twenty five TV channels over a single mode optical fiber. With an RF bandwidth from 5 MHz to 350 MHz, these units can transmit sub-band, low-band, FM, mid-band, high-band or super-band channels. Optimum performance is achieved when the channel (frequency) plan is within a single octave of bandwidth. A possible channel plan for the twenty five channel link is TV channels G through AA (155 to 305 MHz). The system can transmit TV channels over a distance of 50 km at 1550nm on one single mode 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 single mode fibers only and require a minimum fiber bandwidth of 500 MHz.

LINK @ 25 °C, Single-mode Fiber

Bandwidth: 5-350 MHz
 Operating Wavelength: 1550 nm
 CATV Channels: 25
 CNR (+1 dBm Input, 25 Ch. Load): 52 dB
 CSO (25 Ch. Load): -68 dB
 CTB (25 Ch. Load): -70 dB
 Input/Output Impedance: 75 Ohms
 Operating Temperature Range: +10 to +40 °C
 Weight: 6 oz, 170 g (per unit)

Physical Dimensions

SIBR (WxHxL): 5.75 x 2.95 x 1.12 in
 146 x 74 x 28 mm
 MIBR (WxHxL): 1.15 x 3.5 x 7.5 in
 29 x 89 x 191 mm

Transmitters

RF Input Level (25 Channel): +7.5 dBmV
 Optical Output: +4 dBm
 Power Supply Voltage: 12 VDC
 Power Dissipation: 3.6 W

Receiver

Optical Input Range: -9 to +4.5 dBm
 Power Dissipation: 2.0 W

Connectors

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

○ Ordering Information

Model	Stock No.	Description
MIBT-S5A-425	7428	Fiber Optic Transmitter, 25 Channel 5-350 MHz, Single-mode, 1550 nm, FC/APC Connector, 4 dBm Output
MIBR-S4A-425	7438	Fiber Optic Receiver, 25 Channel 5-350 MHz, Single-mode, 1550 nm, FC/APC Connector
SIBT-S5A-425	7428 S	Fiber Optic Transmitter, 25 Channel 5-350 MHz, Single-mode, 1550 nm, FC/APC Connector, 4 dBm Output
SIBR-S4A-425	7438 S	Fiber Optic Receiver, 25 Channel 5-350 MHz, Single-mode, 1550 nm, FC/APC Connector

Order From:



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