WB+ SINGLE LASER TRANSMITTER AND LNB+ KITS

TOWT-1310 and LNB+ Kit

TRIAX Optical WB+ Transmitter - 1310nm

Article No: 307923

47-3000MHz (RF+WB+) Single Laser Optical Transmitter & LNB+ Kit - 1310

The TOWT-1310 fibre Optic Transmitter Kit can solve the problem of signal attenuation experienced in conventional coax-based IRS systems. The filtered terrestrial signal and V & H polarities of the 3.0GHz Wideband LNB are fed into the Transmitter. The solution builds a stack inside the Optical Transmitter and converts 5 combinations of frequency band/polarization into different frequencies within the range 0.05GHz~5.45GHz.

The signal produced at the Transmitter from the electro-optical signal converter is transmitted to the receiver via a fibre optic single mode cable over the PON.

At the end of the fibre optic cable, the beam enters the photoelectric signal converter and converts the beam back to IF & Terrestrial signals either in Quattro (307925) or Quad (307926).

- WB+ 3GHz LNB & Transmitter Kit
- Single 1310nm laser
- Excellent linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Simple to install

	Unit	Description
Input Frequency Range	MHz	47-862MHz, 950-3000
Output Frequency Range	MHz	47-862 MHz, 950-5450
Optical Output Power	dBm	10
Optical Wavelength	nm	1310
DC Current Consumption	mA	333 @ 18V
Optical Connector	-	SC/APC
Operating Temperature	°C	-30 to +70

TOWT-1550 and LNB+ Kit

TRIAX Optical WB+ Transmitter - 1550nm

Article No: 307924

47-3000MHz (RF+WB+) Single Laser Optical Transmitter & LNB+ Kit -1550

The TOWT-1550 fibre Optic Transmitter Kit can solve the problem of signal attenuation experienced in conventional coax-based IRS systems and when combined with a TRIAX TOFA EYDFA Optical Amplifier can be used to build large scale TV system deployments. The filtered terrestrial signal and V & H polarities of the 3.0GHz Wideband LNB are fed into the Transmitter. The solution builds a stack inside the Optical Transmitter and converts 5 combinations of frequency band/polarization into different frequencies within the range 0.05GHz~5.45GHz.

The signal produced at the Transmitter from the electro-optical signal converter is transmitted to the receiver via a fibre optic single mode cable over the PON.

At the end of the fibre optic cable, the beam enters the photoelectric signal converter and converts the beam back to IF & Terrestrial signals either in Quattro (307925) or Quad (307926).

- WB+ 3GHz LNB & Transmitter Kit
- Single 1550nm laser
- Use with TRIAX TOFA Range of EYDFA Amplifiers
- Optical output level optimized to work with EYDFA
- Excellent Linearity and flatness
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Simple to install

	Unit	Description
Input Frequency Range	MHz	47-862MHz, 950-3000
Output Frequency Range	MHz	47-862 MHz, 950-5450
Optical Output Power	dBm	5
Optical Wavelength	nm	1550
DC Current Consumption	mA	333 @ 18V
Optical Connector	-	SC/APC
Operating Temperature	°C	-30 to +70

** Each installed TOWT requires a 2A 18V PSU. TRIAX article no. 318166UK/318163EU. Sold Separately. **