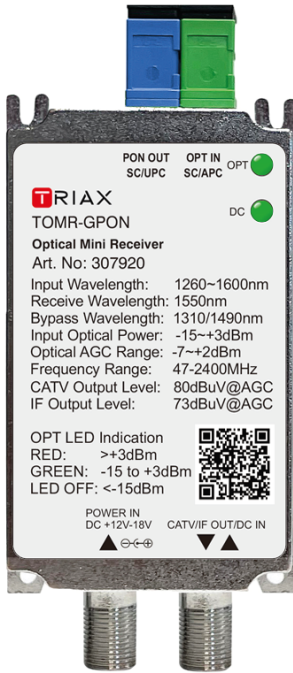


# MINI CATV/IF RECEIVERS

## TOMR-GPON

### TRIAX Optical Mini Receiver

Article No: 307920



TOMR-GPON TRIAX Optical Mini Receiver  
CATV+SAT-IF Optical Receiver with GPON WDM

- Designed for FTTH (Fibre To The Home) networks
- Wide operating frequency range : 47-2400MHz
- Excellent linearity and flatness
- Wide range of optical input power
- High return loss
- Uses GaAs amplifiers
- Ultra low noise technology
- Compact design for easier installation
- LED for power & optical level indication
- Built-in WDM, 1310nm/1490nm Optical Bypass Port
- Built-in AGC function

| Connections              | Unit | Description | Remark |
|--------------------------|------|-------------|--------|
| RF Connector             | -    | F-Female    | -      |
| Input Optical Connector  | -    | SC/APC      | -      |
| Output Optical Connector | -    | SC/UPC      | -      |
| Power Supply Connector   | -    | F-Female    | -      |

| Optical Parameter   | Unit | Description | Remark |
|---------------------|------|-------------|--------|
| Responsivity        | A/W  | $\geq 0.9$  | -      |
| Input Optical Power | dBm  | -15 to +3   | -      |
|                     | dBm  | -7 to +2    | AGC    |
| Optical Return Loss | dB   | $\geq 45$   | -      |
| Input Wavelength    | nm   | 1260 - 1600 | -      |
| Receive Wavelength  | nm   | 1550        | -      |
| Bypass Wavelength   | nm   | 1310/1490   | -      |
| Optical Fibre Type  | -    | Single Mode | -      |

| RF Parameter        | Unit       | Description       | Remark            |
|---------------------|------------|-------------------|-------------------|
| Frequency Range     | MHz        | 47-862 @ CATV     | -                 |
|                     | MHz        | 950-2400 @ SAT-IF |                   |
| CATV Flatness       | dB         | $\pm 0.75$        | -                 |
| CATV Output Level   | dB $\mu$ V | $\geq 80$         | AGC               |
| CNR                 | dB         | $\geq 50.5$       | -1dBm input power |
| CSO                 | dB         | $\geq 64$         | -                 |
| CTB                 | dB         | $\geq 66$         | -                 |
| CATV Return Loss    | dB         | $\geq 16$         | -                 |
| SAT- IF Return Loss | dB         | $\geq 10$         | -                 |
| Output Impedance    | $\Omega$   | 75                | -                 |
| AGC Stability       | dB         | $\pm 1$           | -                 |
| SAT-IF Flatness     | dB         | $\pm 1.5$         | -                 |
| SAT-IF Output Level | dB $\mu$ V | $\geq 73$         | AGC               |

| Other Parameter   | Unit | Description  | Remark |
|-------------------|------|--------------|--------|
| Power Supply      | VDC  | 12-18        | -      |
| Power Consumption | W    | <1           | -      |
| Dimensions        | mm   | 88 x 50 x 22 | -      |