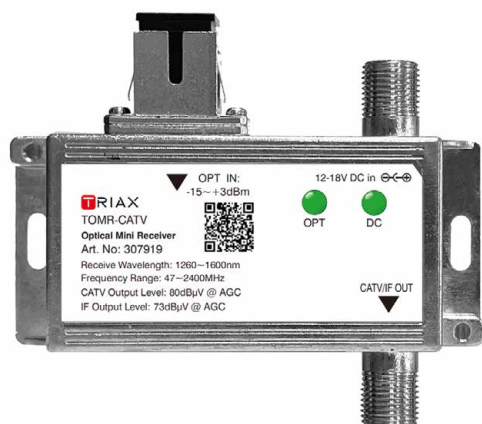




TOMR-CATV TRIAX Optical Mini Receiver  
CATV+SAT/IF 47-2400MHz

- 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 AGC function
- Use with TRIAX TOMT Mini Transmitter for Point to Point

| Connections       | Unit | Description | Remark |
|-------------------|------|-------------|--------|
| RF Connector      | -    | F-Female    | -      |
| Optical Connector | -    | SC/APC      | -      |
| Power Supply      | -    | 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   | $\geq 45$   | -      |
| Receive Wavelength  | nm   | 1260 - 1600 | -      |
| 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         | $\geq 50$          | -1dBm input power |
| CSO                 | dB         | $\geq 62$          | -                 |
| CTB                 | dB         | $\geq 65$          | -                 |
| Return Loss         | dB         | $\geq 14$ @ CATV   | -                 |
|                     | dB         | $\geq 10$ @ SAT-IF |                   |
| AGC Stability       | dB         | $\pm 1$            | -                 |
| Output Impedance    | $\Omega$   | 75                 | -                 |
| SAT-IF Flatness     | dB         | $\pm 1.5$          | -                 |
| SAT-IF Output Level | dB $\mu$ V | $\geq 73$          | AGC               |
| Power Supply        | VDC        | 12                 | -                 |

| Other Parameter   | Unit | Description  | Remark |
|-------------------|------|--------------|--------|
| Power Supply      | VDC  | 12-18        | -      |
| Power Consumption | W    | <2           | -      |
| Dimensions        | mm   | 75 x 63 x 17 | -      |