

OPTICAL DISTRIBUTION

Model: OP-131Tx



OPTICAL Tx 1310nm

OPTICAL TRANSMITTER 1310nm 45-2600MHz

Features

OP-131Tx series optical transmitter, adopts a high linearity DFB laser, which is directly modulated .

- Suitable for Digital TV & Satellite TV application
- One fibre can transmit signal of DTV and satellite TV
- Cooled DFB laser
- 1310nmTX, output power 10mW
- FTTH for Digital TV & Satellite TV
- 1U High 19" Rack mount
- Other digital video application
 - Applicable receivers: OP-1Rx

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Specifications

| Model | | OP-131Tx | |
|------------------------------|--------|----------------------|--|
| Reference | | 53001 | |
| Model | Unit | Specification | Test Conditions |
| RF | | | |
| RF Bandwidth | Mhz | 45 - 2600 | |
| RF Flatness | dB | ±1 ±1 | 45 ~ 862MHz 950 ~ 2600MHz |
| RF Input range | dBuV | 75 ~ 85 68 ~ 83 | 45 ~ 862MHz 950 ~ 2600MHz with AGC amplification |
| RF Return loss | dB | ≥ 14 ≥ 10 | 45 ~ 862MHz 950 ~ 2600MHz |
| Input Impedance | Ω | 75 | |
| RF Test point | dB | - 20 | |
| Channel loading | CH | 64 QAM 36 | Digital TV QPSK or FM |
| Link Performance | | | |
| CNR | dB | ≥51 | 42CH CENELEC 80dBμV AGC OMI=3.8% |
| CTB | dB | ≥63 | |
| CSO | dB | ≥58 | |
| Optical Specifications | | | |
| Wavelength | nm | 1310 | |
| Wavelength Stability | Pm/°C | -1 ~ 0 | TC= 20~ 70 °C |
| Optical Output Power | dBm | 10 | |
| Equivalent Noise Temperature | dB /Hz | 155 | |
| Optical Connector | | SC/APC | |
| Optical Return Loss | dB | 50 | |
| General Specifications | | | |
| Management Interface | | RJ45 Web & SNMP RJ45 | |
| Operating Temperature | ° C | -0 to 50 | |
| Storage Temperature | ° C | -40 to 85 | |
| Power Supply | | 110 to 265 VAC | |
| Power Consumption | W | 20 | (Single Power Supply) |
| Operating Relative humidity | % | 5 to 95 | |
| Unit Dimensions | mm | 483 W x 395 D x 44 H | |
| Unit Weight | Kg | 2.4 | |
| Ship Weight | Kg | 4.0 | |

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Note1: C/IM3 is defined as the ratio between the peak of carrier signal and triple beat (IM3) by using a two-tone test (1.0GHz and 1.1GHz).

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Ordering Information

OP-131Tx

Description

OP-131Tx

DMOD TX 1RU 1310nm, Cooled Laser, 10mW output,
45 ~ 2600MHz, SC/APC, AC Power

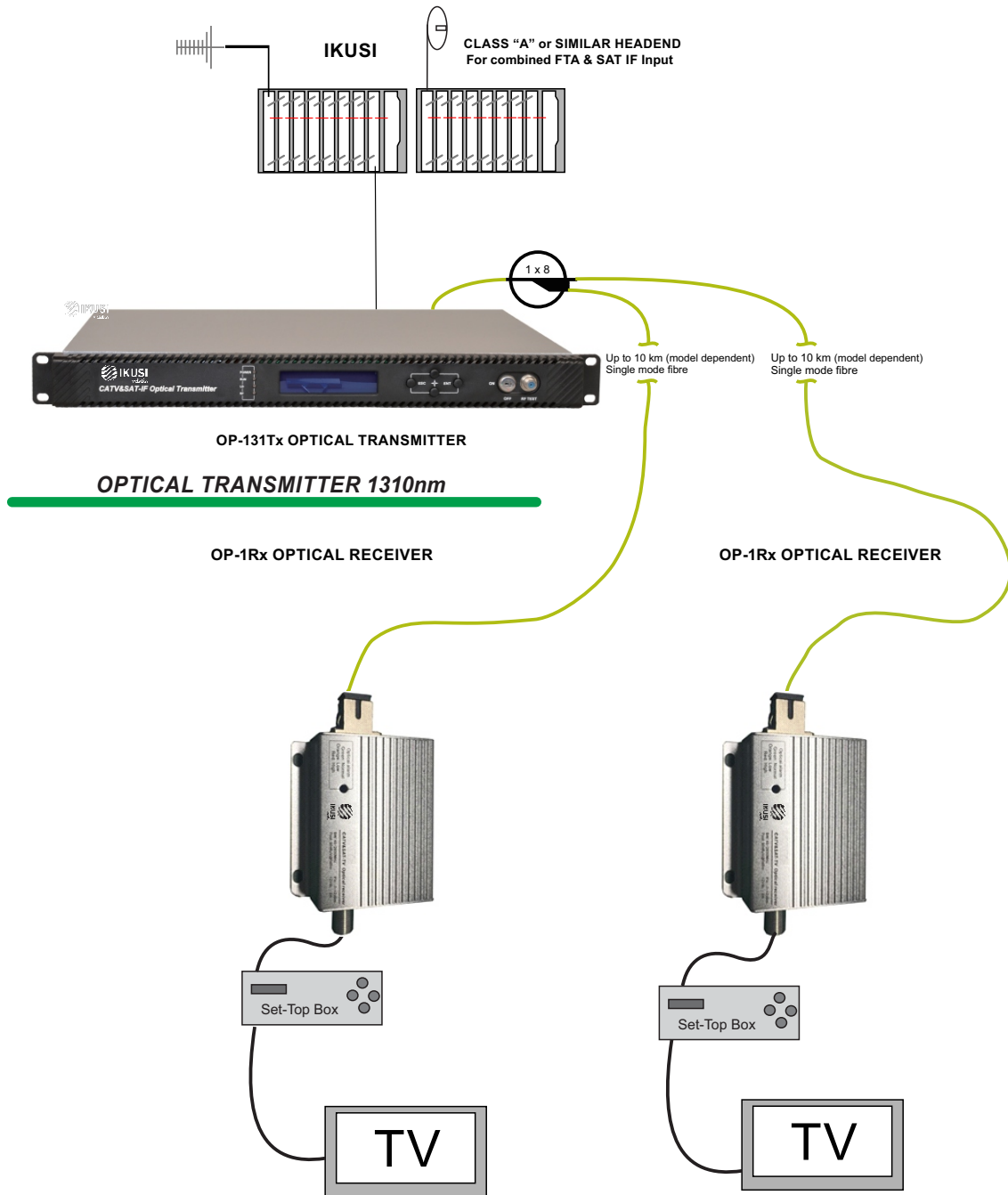
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Typical Application Diagram

OPTICAL Tx 1310nm



For further information on applications, please contact Ikusi ANZ Pty LTD (+61) 3 9720 8000.