

OPTICAL DISTRIBUTION

Model: OP-131Tx



OPTICAL TRANSMITTER 1310nm

Description

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

It can transmit 30~2600MHz for both digital TV, and satellite IF (DVB-S & DVB-T) signals.

Optical operating wavelength of OP-131Tx is 1310nm.

Optical power level available from 10mw to 30mW

Cooled DFB Laser

Features

- High wide band: 30~2600MHz
- Suitable for Digital TV & Satellite TV application
- One fibre can transmit signal of DTV and satellite TV
- DFB laser
- 1310nmTX, output power up to 30mW
- FTTH for Digital TV & Satellite TV
- Other digital video application
- Applicable receivers: OP-1Rx & OP-2Rx

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Specifications

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Model		OP-131Tx	
Reference		53001	
Parameters	Unit	Specification	Test Conditions
RF			
RF Bandwidth	Mhz	30 - 2600	
RF Flatness	dB	-1.0 ~ +1.0 -2.0 ~ +2.0	30 ~ 860MHz 950 ~ 2600MHz
RF Input range	dBuV	68 ~ 88	with AGC amplification
RF Return loss	dB	≥ 14 ≥ 10	30 ~ 860MHz 950 ~ 2600MHz
Bandwidth Flatness	Ω	75	
RF Test point	dB	- 20	
Channel loading	CH	64 QAM 36	Digital TV QPSK or FM
Link Performance			
CNR	dB	28	
CTB	dB	-36	
CSO	dB	- 36	
Optical Specifications			
Wavelength	nm	1310	
Wavelength Stability	Pm/°C	-1 ~ 0	TC= 20~ 70 °C
Optical Output Power	dBm	10	Available from 10 ~ 30mW
Equivalent Noise Temperature	dB /Hz	155	
Side Mode Suppression Ratio	dB	35	
Optical Connector		SC/APC	
Optical Return Loss	dB	50	
SBS Suppression	dBm	≥ 16	1310nm
General Specifications			
Management Interface		RJ45 Web & SNMP RJ45	
Operating Temperature	° C	-5 to 65	
Storage Temperature	° C	-40 to 85	
Power Supply		90 to 265 VAC	
Power Consumption	W	22	(Single Power Supply)
Operating Relative humidity	%	5 to 95	
Unit Dimensions	mm	483 W x 335 D x 44 H	
Unit Weight	Kg	2.4	
Ship Weight	Kg	4.0	

Note: Measured in a typical system configuration for the nominated channel numbers, and nominated fibre lengths for each model at 25 °C ambient temperature.

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Ordering Information

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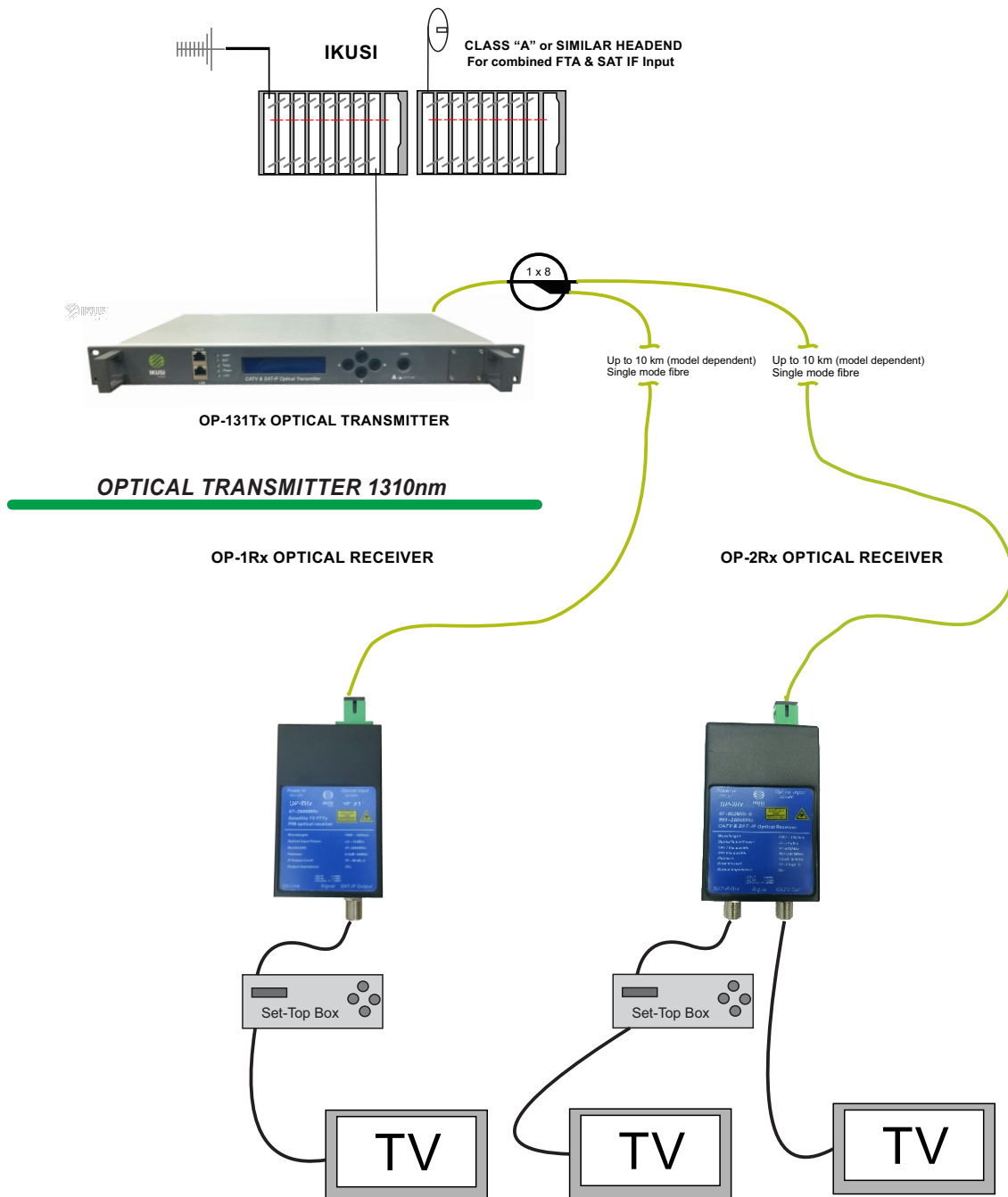
DMOD TX 1RU 1310nm, Cooled Laser, 10mW output,
30 ~ 2600MHz, SC/APC, AC Power

Other power levels available on request

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Typical Application Diagram

OPTICAL TRANSMITTER 1310nm



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