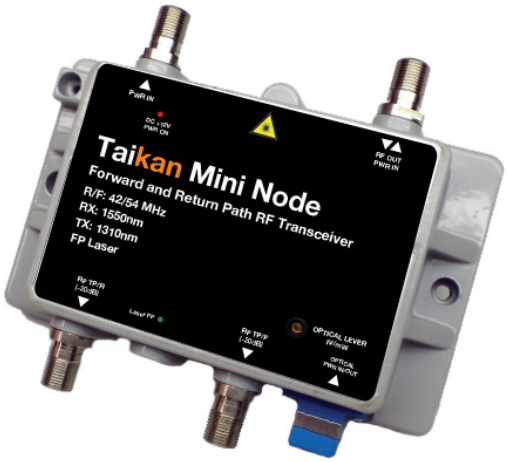
RFOG MINI OPTICAL NODE [OFCNS-x-x-x-x-x-x-x-x]

Fiber Products, Nodes

Taikan

Features

- 1 GHz frequency design
- One fiber transport forward and return signals with WDM technology
- Selection of forward/return frequency splits
- Compact aluminum alloy housing for easy installation
- Output level +28 dBmV with -1 dBm optical input
- -20 dB test points for forward and return testing
- RF power port or through designated F port (via power inserter)
- B: Burst Mode Option
- Optional Optical Pass Through Tap Port
- FP or DFB return transmitter lasers available
- Power adaptor included



*5-30 or 5-55 MHz upstream available upon special request.
**47-1002 or 70-1002 MHz downstream available upon special request.

Ordering Information

OFCNS - [x][x][x][x][x][x][x][x]

- ***U:*** *(5-42 MHz);* ***E:*** *(5-65 MHz)* ***J:*** *(5-55 MHz);* ***S:*** *(5-30 MHz)* ***I:*** *(5-47 MHz)*
- ***0:*** *no pass port;* ***1:*** *additional optical pass through port*
- ***SA*** *for SC/APC connector adaptor*
- ***N:*** *none;* ***B:*** *burst mode transmission*
- ***1:*** *1 mW or* ***2:*** *2mW optical power*
- ***31, 47, 49, 51, 53, 55, 57, 59, 61*** *transmit wavelength (1xx0nm)*
- ***31*** *or* ***55*** *receive wavelength (1xx0 nm)*
- ***F*** *(FP) or* ***D*** *(DFB) laser type*

*Note: 3mW and 4mW are special order items.
** **S:** includes a South American power adaptor // **U**: includes a US power adaptor // **E**: includes a European power adaptor // **J**: includes a Japanese power adaptor // **I**: includes an India power adaptor

Model Number	Standard Carton	Inner Box	Carton Weight	Dimensions
OFCNS-x-x-x-x-x-x-x-x	10	1	16 lbs	130 x 106 x 34 mm 5.1 x 4.2 x 1.3 in

RF/Optical Receiver

Frequency Range	47/54/70/85 - 1002 MHz
RF Output Level (@ -1 dBm input)	24 dBmV
Flatness	± 1 dB
Output Return Loss	> 16 dB F port at 75 Ohms
Distortion performance (@ -4 dBm input)	
CNR	> 48 dBc
CSO	> 70 dBc
CTB	> 65 dB

Optical Receiver

Optical Wavelength	1310 or 1550 nm
Input Optical Power	-8 dBm 0 dbm
Optical Return Loss	>55 dB
Optical Connector Type	SC / APC

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RF/Return Transmitter

Frequency Range	5-30/42/55/65 MHz
Flatness	± 1.5 dB
Return Loss	> 16 dB
Input Level (2 NTSC Channels)	81 dBmV (-47 dBmV/Hz)

Optical Return Transmitter

Wavelength	1310nm - 1610nm
Laser Type	Fabry-Perot (FP) or DFB
Optical Output Power	1 or 2 mW
Optical Return Loss	62 dB

General Specifications

RF Ports	75 Ohm F-Shape
Operating Temperature	-30°C to 50°C (-22 to 122°F)
Surge Withstand	0.5µs - 100KHz ring wave 6kV/200A
Power Supply	5.1 x 4.2 x 1.3 in15 VDC 200 mA