

OPTICAL MINI NODE [OFCND-x-x-x-x-x-x]

Fiber Products, Nodes



Features

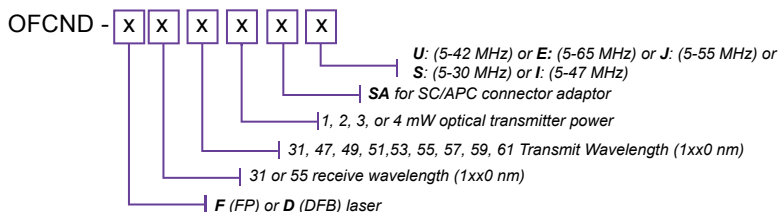
- 5-1002 MHz frequency design
- Selection of forward/return frequency splits
- Compact aluminum alloy housing for easy installation
- Output level +28 dBmV with -1 dBm optical input
- -20 dB test points for forward and return testing
- RF power port or through designated F port (via power inserter)
- Standard bi-directional or forward signal available
- 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



*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
OFCND-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

Forward Frequency Range	47/54/70/85 - 1002 MHz
RF Output Level (@ -1 dBm input)	21 dBmV
Flatness	+1 dB
Output Return Loss	>16 dB
Distortion testing (@ -1 dBm optical input)	
CNR	51 dB
CSO	-62 dBc
CTB	-65 dBc

Optical Receiver

Optical Wavelength	1200-1620 nm
Input Optical Power	-6 dBm 2 dbm
Optical Return Loss	>55 dB
Optical Connector Type	SC / APC

RF / Radio Frequency

Frequency Range	5-30/42//55/65 MHz
Flatness	+1.5 dB
Return Loss	>16 dB

Optical Return Transmitter

Wavelength	1310 nm/1610 nm
Laser Type	Fabry-Perot (FP) or DFB

Return Transmitter

Optical Power	1 mW	2 mW	3 mW	4 mW
CNR based on 10 dB Optical Link	46 dB	48 dB	50 dB	51 dB
2nd Intermodulation on 2 Channels	-55 dBc	-55 dBc	-55 dBc	-55 dBc
3rd Intermodulation on 2 Channels	-60 dBc	-60 dBc	-60 dBc	-60 dBc
State Green	Laser Operation is OK			
State Red	Output Power is Below 50%			
Power Inspection	0.8 Vdc/mW	1 Vdc/mW	1 Vdc/mW	1.2 Vdc/mW

General Specifications

Operating Temperature	-30°C to 50°C (-22°F to 122°F)
Power Supply	15 VDC 200 mA
Surge withstand RF in/out ports	6KV, 8/20 us combo wave 3kA

