

OPTICAL FIBER MDU NODE

OFMN-x-x-x-2-SA-x

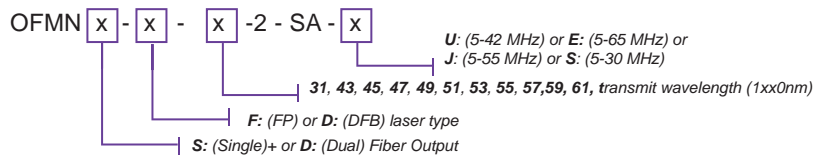
FIBER PRODUCTS, NODES



Features

- Low power consumption
- Available WDM technology
- High RF power output
- Compact aluminum alloy housing
- External input and test ports

Ordering Information



+Single Fiber only available in 1430-1610nm transmit wavelength option

*FP laser only has 31, 55 as transmit wavelength options, DFB laser is available in all wavelength

** U: includes a US power adaptor // E: includes a European power adaptor // J: includes a Japanese power adaptor // S: includes a South American power adaptor



Optical Receiver Feature

Optical Wavelength	1200-1600 nm	
Input Optical Power	-6 dBm	2 dBm
Optical Power Test Point	1 ±0.2 V/mW	
State Green	≥-6 dBm	
State Red	≤-6 dBm	

RF/Optical Receiver

Frequency Range	47/54/70/85 - 860* MHz
RF Output Level	50 dBmV
Flatness	± 0.5 dB
Impedance	75 Ohms
Output Return Loss	> 16 dB
Distortion performance (@ -1 dBm input)	
CNR	51 dB / 49 dB (@ -3 dbm input)
CSO	-67 dBc
CTB	-65 dBc

*1002 MHz also available upon request.

Optical Transmitter Feature

Output Wavelength	1310, 1550 *1430, 1450, 1470, 1490, 1530, 1570, 1590 and 1610 nm *(available for DFB Laser)
Output Optical Power	2 mW
Optical Return Loss	-
Optical Power Test Point	1 V/mW
State Green	laser operation is good
State Red	output power has fallen below 50%

RF/Optical Transmitter

Frequency Bandwidth	5 - 30/42/55/65 MHz
RF Input Level	20 dBmV
Flatness	± 0.5 dB
Return Loss	> 16 dB
Distortion performance (@ -1 dBm input)	
CNR	50 dBc
CSO	(-) 55 dBc
CTB	(-) 58 dBc

General Specifications

Operating Temperature	-40°C to 60°C (-40°F to 140°F)
Power Supply	25~30 VDC 15 W
Surge withstand	6kV, 8/20µs combo wave 3kA + 100kHz ring wave 200A
Dimensions	213x125x82 mm (8.4x4.9x3.2 in.)
RF Ports	F-shape, 75 Ohms
Optical Connector Type	SC / APC (FC / APC available upon request)

Service Warranty: One Year

Optical Accessories

OFMN-EQ-X

Equalizer Pad fo MDU Unit



- Used to increase the output tilt of the receiver on the MDU node.
- Available in a 3, 6, 9, 12, 15 and 18 dB option

OFMN-ATT-X

Attenuator Pad fo MDU Unit



- Used to adjust the amplifier levels on the MDU node.
- Available in a 0, 2, 4, 6, 8, 10, 12, 14 & 16 dB option

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