

OFN-3125

Optical node



Description:

OFN-3125 is a miniature compact optical node destined for converting optical signal into RF signal thus to provide end users with digital SD (Standard Definition), HD (High Definition) and analog television. Option **F** with built-in filter allows for easy connection to PON networks.

OFN-3125 is an ideal solution for home and small office.

Features:

- TV signal wavelength 1550 nm (option **F**);
- Output signal sufficient for end user's equipment;
- Extremely low power consumption;
- Small sized compact housing.

Techincal specification:

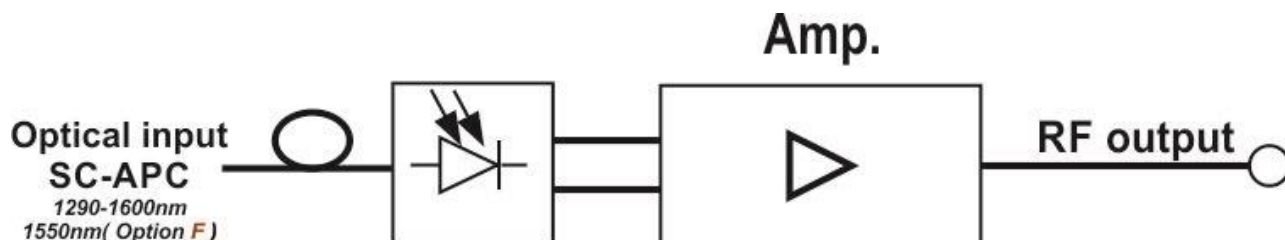
Input wavelength for TV signal	1290 ÷ 1600 nm 1550 nm (option F)
Optical return loss	> 40 dB
Input optical connector	SC/APC
Output return loss	> 18 dB @ Z=75 Ω
Frequency bandwidth	47 ÷ 862 MHz
Flatness	± 0.5 dB

Input optical power	Output RF level @ 4.2% OMI/channel
-2 dBm	88 dB μ V
-4 dBm	84 dB μ V
-6 dBm	80 dB μ V
-8 dBm	76 dB μ V
-10 dBm	72 dB μ V
-12 dBm	68 dB μ V

Miscellaneous

Power supply:	5 VDC \pm 10%
Power consumption	1.2 W
Operation temperature range	0 \div +50 $^{\circ}$ C
Dimensions (L x W x H)	73 x 62 x 16 mm
Weight	0.100 kg

Block diagram



Ordering information:

OFN-3125

Input wavelength 1290 \div 1600 nm

OFN-3125 F

Input wavelength 1550 n