

OFN-4307SC

Optical node



Description:

OFN-4307SC is a miniature compact optical node destined for converting optical signal into RF signal and to distribute it to 4 subscribers. There is a capability of remote control (activate/block) of the four outputs. Compact, simple and efficient solution for servicing of small groups of subscribers.

Features:

- **TV outputs remote control (activate/block);**
- **ALC system for automatic maintain constant output level within wide range of input optical power;**
- **LED indication of input optical power and outputs' state;**
- **Wide range of supply voltage;**
- **Extremely low power consumption;**
- **Small size housing (111 x 88 x 25 mm).**

Technical specification:

Wavelength	1290 ÷ 1600 nm
Power and RF connectors	F - 3/8" female
Optical return loss	> 40 dB
Optical connector	SC/APC
Output return loss	> 18 dB @ Z=75 Ω
Frequency range	47 ÷ 862 MHz
Input optical power	-9 ÷ +2 dBm
Flatness	± 0.5 dB
Output RF level on each output (@ -8 ÷ +2 dBm & 3.5% OMI/channel)	≈ 75 dBμV
LED indicators:	
○ ALC mode:	
input optical power +2 ÷ -9 dBm	on
input optical power > +2 dBm или < -9 dBm	off
○ Outputs:	
active	on
blocked	off
○ Power	

General

Supply voltage	8 ÷ 24 VDC
Power consumption	2.5 W
Ambient temperature range	0 ÷ +50°C
Dimensions (L x W x H)	111 x 88 x 25 mm
Weight	0.250 kg

Block diagram

