

| Type | | OFN100-F | OFN100-FW | OFN100-FS | OFN100-FR-1310 |
|-------------------------------------|--------|----------------------------|---|------------------------|---|
| Order number | | 212 116 | 212 117 | 212 118 | 212 119 |
| EAN-Code | | 4026187192938 | 4026187192945 | 4026187192952 | 4026187192969 |
| Optical node type | | Forward path only | Forward path with WDM passthrough for G(E) PON networks | Redundant forward path | Forward path with return transmitter as described below |
| Optical characteristics | | | | | |
| Optical input wavelength for CATV | [nm] | 1100...1600 | 1530...1610 | 1100...1600 | 1100...1600 |
| Optical input power | [dBm] | -9...+2 | | | |
| AGC range | [dB] | adjustable -9/-8/-7...+2 | | | |
| Optical return loss | [dB] | > 45 | | | |
| Optical connector type | | SC/APC; other on request | | | |
| Fibre type | | Single mode 9/125 | | | |
| RF characteristics | | | | | |
| Frequency range | [MHz] | 45...1006 | 45...1006 | 85...1006 | 85...1006 |
| Flatness | [dB] | ± 0,75 | | | |
| RF level (OMI 3,5 %) | [dBμV] | ≥ 102 | | | |
| Output return loss | [dB] | > 16 | | | |
| Output Impedance | [Ω] | 75 | | | |
| Electronic control EQ range | [dB] | 0...15 | | | |
| Electronic control ATT range | [dB] | 0...15 | | | |
| RF testpoint | | -20 | | | |
| Common data | | | | | |
| Power supply | [VAC] | 150...265 | | | |
| Chassis type | | diecast housing | | | |
| Power consumption | [W] | ≤ 8 | ≤ 8 | ≤ 8 | ≤ 10 |
| Dimension (L x W x H) | [mm] | 190 x 110 x 52 | | | |
| Ambient temperature | [°C] | -40...+60 | | | |
| Relative humidity | [%] | maximum 95, non condensing | | | |
| Link performance* | | | | | |
| C/N | [nm] | ≥ 51 | | | |
| CTB | [dBm] | ≥ 60 | | | |
| CSO | [dB] | ≥ 60 | | | |
| Return path (only OFN100-FR) | | | | | |
| Optical wavelength | [nm] | - | - | - | 1310 (CWDM on request) |
| Optical output power | [dBm] | - | - | - | 0 |
| Transmission mode | | - | - | - | constant or burst mode |
| Optical connector type | | - | - | - | SC/APC; other on request |
| Fibre type | | - | - | - | Single mode 9/125 |
| Frequency range | [MHz] | - | - | - | 5-65 |
| Flatness in band | [dB] | - | - | - | ± 1 |
| RF input level | [dBμV] | - | - | - | 75 - 85 |
| Impedance | [Ω] | - | - | - | 75 |

*) Cenelec42, Link length 20 km@1550 nm, optical in 0dBm, AGC -9 dBm, RF output level 102 dBμV, EQ = 0

Other types than specified above available on request