

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

*) other wavelengths on request

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

Other types than specified above available on request