

Micro optical receiver

ISO 9001 CERTIFIED

MOB-100



RoHS



Micro optical receivers **MOB-100** are the modern devices dedicated for FTTH (*Fiber To The Home*) applications. This device is made in die-cast metal housing and can be mounted in plastic housing "mouse" type. Receiver is equipped with SC/APC input connector and one RF output with "F" female connector. Optical receiver is also equipped with LED 3-stage optical input power indicator.

Simple construction of this receiver guarantee significant investment and network maintenance cost reduction.

- Built-in AGC.
- Low noise amplifier made in a Push-Pull technology.
- 3-stage indicator of optical input power.
- Very low power consumption <1,0W.
- Solid die-cast aluminum housing.

Technical parameters may be changed without earlier notice

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TECHNICAL SPECIFICATION

OPTICAL PARAMETERS		MOB-100
Input level range (P_{IN})	dBm	-10...-3,0
Optical input wave length	nm	1280-1600
Max. input level	dBm	+3
Optical power indicator	dBm	Diode LED indicator: - orange: $P_{IN} < -10$ - green: $-10 < P_{IN} < -3$ - red: $P_{IN} > -3$
Optical connector	/	SC / APC
RF PARAMETERS		
Frequency range	MHz	47-862
Gain characteristic flatness	dB	$\pm 1,0$
AGC efficiency in range -10...-3dBm	dB	± 1
C/N factor for input power -3dBm and OMI 3,5%	dB	52
Max. output level (42 channels CENELEC) - CTB, CSO ≤ 60 dBc	dBuV	1 x 80
Output connector	/	1 x "F" female
Output impedance	Ω	75
OTHER		
Operating voltage (external power supply)	V DC / mA	9 / 150
Power consumption	W	< 1,0
Operating temperature	$^{\circ}\text{C}$	0...+40

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