

Micro optical receiver

MOB-100



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 SPECIFICATION

OPTICAL PARAMETERS		MOB-100
Input level range (P_{IN})	dBm	-10...-3,0
AGC range	dBm	-10...-3,0
Optical return-loss	dB	≥ 40
Optical input wave length	nm	1100-1650
Max. input level (without damaging of photodetector)	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	$\pm 1,0$
Max. output level CENELEC (42 channels) 0 dB slope, 3,5% OMI		
- CTB ≤ 60 dBc	dBuV	80
- CSO ≤ 60 dBc	dBuV	80
RF Output Stability in AGC range	dB	$\pm 1,0$
OTHER		
Operating voltage (external power supply)	V DC / mA	9 / 150
Power consumption	W	$< 1,0$
Output connector	/	F
Protection class	/	IP 40
Operating temperature	$^{\circ}\text{C}$	0...+40
Weight without power supply	kg	0,1
Dimension (S x W x G)	mm	60 x 50 x 20

Technical parameters may be changed without earlier notice

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