

Micro optical receiver

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

www.telmor.pl

TECHNICAL SPECIFICATION

OPTICAL PARAMETERS		MOB-100
Input level range (P_{IN})	dBm	-10...+1
AGC range	dBm	-6...0
Optical return-loss	dB	≥ 40
Optical power indicator	dBm	Diode LED indicator: - orange: $P_{IN} < -10$ - green: $-10 < P_{IN} < -3$ - red: $P_{IN} > -3$
Optical input wavelength	Nm	1100...1650
Maximum input level	dBm	+2
Equivalent input noise current	$pA/(Hz)^{1/2}$	6.5
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	/	F
Output impedance	Ω	75
OTHER		
Operating voltage (external power supply)	V DC / mA	9 / 150
Power consumption	W	$< 1,0$
Operating temperature	$^{\circ}C$	-20...+55
Output connector	/	F
Protection class	/	IP40
Weight without power supply	kg	0,1
Dimensions	mm	60 x 50 x 20

Technical parameters may be changed without earlier notice

www.telmor.pl