

RF OVER OPTICAL FIBER

OPTICAL FIBRE TRANSMITTERS



optical fiber

COMPACT Series

Optical fiber transmitter, designed for FTTH (fiber to the home) networks.

APPLICATION

Suitable for RF signal distribution over optical fiber networks.

FEATURES

- Die-cast aluminum housing, nickel plated.
- Excellent linearity and flatness.
- Uses active GaAs amplification devices.
- Ultra low noise.
- Smaller size and easier installation
- Red LED power indication.
- LNB polarity selection via 13/18V power supply and 0/22KHz tone sending.



MODEL	ROT 310C	
Reference	88501	
INPUT/OUTPUTS		
RF input	F-female	
Optical output	SC/APC	
Power input	F-female	
OPTICAL PARAMETERS		
Optical output power	dBm	10
Optical return loss	dB	≥45
Output wavelength	nm	1310
Optic fiber type	single-mode	
RF PARAMETERS		
Frequency range	MHz	47-2150
Flatness	dB	±0.75
CATV input level	dBμV	80±5
SMATV input level	dBμV	70±5
CNR	dB	≥52
CSO	dB	≥60
CTB	dB	≥63
Return loss	dB	≥16
Input impedance	Ω	75
OTHER PARAMETERS		
Supply voltage	VDC	12 V
Maximum current to LNB	mA	500
22KHz	KHz	22±4
Power consumption	W	<2
Operating temperature	°C	-5 ÷ 55
Dimensions	mm	100 x 98 x 28
Housing material	Aluminum alloy	