

RF OVER OPTICAL FIBRE OPTICAL TRANSMITTERS

COMPACT Series

Fibre-optic transmitter, designed for CATV networks over FTTH.

APPLICATION

Ideal for distributing RF signals over fibre optic networks.

FEATURES

- Die-cast aluminium housing, nickel-plated.
- Excellent linearity and flatness.
- Uses GaAs active amplification devices.
- Ultra-low noise.
- Compact size and easy to install.
- Red power indicator LED.
- LNB polarity selection via 13/18V power supply and 0/22kHz tone transmission.



MODEL		ROT 310C
Reference		88501
INPUTS/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
Type of optical fibre		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
22 kHz	kHz	22±4
Power consumption	W	<2
Operating temperature	°C	-5 to 55
Dimensions	mm	100 x 98 x 28
Housing material		Aluminium alloy