916 FIBRE OPTIC DISTRIBUTION

OPTICAL RECEIVER TV-SAT



Code : **9160001**

Model : **OR-417**

Description

Optical receiver for analogue and digital TV signals, terrestrial and satellite. The equipment receives the terrestrial and satellite TV signals via single-mode optical fibre with a wavelength ( ) of 1310 nm and transmits them by means of a single coaxial cable to the terrestrial and IF band. Equipped with an indicator light to show the input levels of the optical signal. Each band has a gain control and a variable equaliser. As they are independent they facilitate level adjustment. Fed by a built-in power supply.

Applications

Large-scale collective terrestrial and satellite TV installations in which, due to their topology, it is not possible to perform the distribution using coaxial cable. The receivers act as distribution or head-end devices in those points from which the signal will be distributed via coaxial cable.

Characteristics

Manufactured in zamak with a galvanized cover to obtain maximum shielding. Separate housings for the power supply unit and the high frequency circuit. F-type connectors for the input of the TV signals in the terrestrial band and the satellite IF band. Female SC/APC connector for fibre optic.

CODE		9160001	
MODEL		OR-417	
Optical input			
Optical input level range	dBm	-10..+1	
Wavelength	nm	1310..1550	
Return loss	dB	>50	
Optical connector		SC/APC 8º	
HF output			
Number of RF outputs		1	
Frequency range	Band	TV	SAT
	MHz	46-862	950-2150
Output level	dBµV	119 (DIN 4500B)	120 (IMD3 -35dB)
Gain control	dB	15	
Flatness	dB	±1,5	±2,0
Slope control	dB	15	7 Switchable
Carrier to noise ratio	dB	52	36
Return loss	dB	>12	>10
Input impedance	Ω	75	
Test input	dB ±TOL	-30 ±1,0	
HF connectors		F	
Power supply	V	230 ±20% 240 +15% -20% 50/60 Hz	
	W	15	
Units per packing		1	
Packing weight	Kg	1,92	
Packing dimensions	mm	315 x 225 x 65	