

Standalone TV + FI-Sat optical receiver

FRD-400

Used in the distribution of digital terrestrial TV and satellite TV signals via fibre optics in high-density communal installations.

FEATURES

- 1 optical input 1290–1600 nm (2nd–3rd window); 1 RF output 45–2150 MHz.
- Single-mode fibre optic connection.
- Application in the fibre optic distribution of analogue or digital terrestrial TV and satellite FI signals in large-scale communal installations.
- Mains power supply 50/60 Hz. Class II electrical safety protection. Mains plug with two-pin plug.
- Zamak enclosures. Wall mounting. Indoor installation. Provision for earthing.



MODEL		FRD-400
Reference		4915
Optical output power	dBm	-12 ... +1 (1)
Direct RF output frequency bands	MHz	45 – 862 (TV) and 950 – 2150 (BIS)
Optical section		
Wavelength	nm	1290 – 1600
Optical input return loss	dB	> 50
Optical input connector		SC/APC 8°
RF section		
In-band ripple	dB	±1.5 (TV), ±2 (BIS)
Receiver output level for 20 digital channels digital channels. For 76 dBµV transmitter input and -12 dBm receiver input	dBµV	104
Receiver output level for 20 analogue channels. For 72 dBµV transmitter input and -4 dBm receiver input	dBµV	100
CNR (*) dB	Analogue TV (ΔB = 5 MHz) dB	> 52
	IF (ΔB = 36 MHz) dB	> 36
CTB (*)	dB	> 60
CSO (*)	dB	> 60
Variable TV attenuator	dB	0 – 15
TV slope adjustment	dB	0 – 15
Variable IF attenuator	dB	0 – 15
IF slope adjustment	dB	0 – 10
Output return loss	dB	>12 (TV), 10 (BIS)
General		
Output test	dB	-30
Output and test connector types		F
Mains voltage	Vac	230 – 240
Power consumption	W	15
Dimensions	mm	222 x 140 x 44