

PY113D OPTICAL RECEIVER

Product Description:

PY113D Optical Receiver is a forward optical receiver used for delivering video(digital or analog)as well as high-speed data services over advanced hybrid fiber/coax(HFC) network terminal;this, optical receiver working from 47 to 862MHz.

Feature:

- * An electrical output with an impedance of 75Ω.
- * Employing GaAs for amplifier.
- * Optical adapted with SC/APC.
- * LED State: Optical Input Power-8dBm Display Green;
Optical Input Power-9dBm Display Red.

Safety Instructions:

Installation of the Optical Receiver must be done according safety standards and by qualified service personal.

The Optical Receiver PY113D-2 is powered from mains ~198...250v and PY113D-1 from line ~24...65v via output connector.In both cases voltage is dangerous to life.

To avoid the electric shock follow these instructions:if the Optical Receiver has been kept in cold conditions for a long time,kept it in a warm room no less than 2 hours before plugging into the mains supply;do not cover the Optical Receiver with foreign objects to ensure normal ventilation and avoid its over heating.

Power Supply:

The Optical Receiver with remote power supply(PY113D-1) is supply with ~24...65v via coaxial cable to input of Receiver.

The Optical Receiver powered from mains 230v(PY113D-2) is factory mounted with the mains cable.

Technical characteristics

SYMBOL	PARAMETER	CONDITIONS	MIN.	TYP.	MAX.	UNIT
λ	Optical		1100		1600	nm
Pin	Optical Input	continuous	-7	-3	0	dBm
F	Frequency		47		862	MHz
FL	Frequency	F=47 to 862	-	+/-1		dB
MAX RF Output level (-3dBm Optical Input						
-	Gain adjustment		-	100	-	dBuV
-	Slope adjustment,typical		-	20	-	dB
S22	Output Return	F=47 to 862	-	18	-	dB
S11	Optical Input Return Loss		-	16	-	dB
	Optical Connector		-	55	-	dB
CNR	Optical Connector		SC/APC			
Output	Level:CTB $\geq$	Note 1	-	48	-	dB
Output	Level: CSO $\geq$	Note 2	-	100	-	dBuV
Tomb	Operating Temperature	Note 1	-	98	-	dBuV
	Dimension		-25	-	65	°C
Weight (packed)	AC60V		107*148*53			mm
	AC220V	PY113-1	0.43			kg
	AC220V	PY113-2	0.66			
Power Consumption	AC60V	PY113-1	5VA/~24-65V/50Hz			
	AC220V	PY113-2	7VA/~198-250V/50Hz			

Note: 1. -3dBm Optical Input Power OMI=4%

2. CTB/CSO is measured with 6dB pre-equalizer(42 channels

