

HRS-26D (47~2600MHz)

Digital TV & Satellite TV PIN optical receiver

PRODUCT DESCRIPTION

Guangtai HRS-26D optical receiver, adopting high-sensitivity PIN detector, receiving sensitivity is -22dBm, typical value -13dBm. It can receive analogue and digital signal with the frequency of 47~2600MHz on a single fiber, and compatible with any FTTx PON.XGS PON to achieve triple-network combination between Analog TV(<10CH), Digital TV (DVB-C, DVB-T), Satellite TV (DVB-S) and Internet & FTTH.

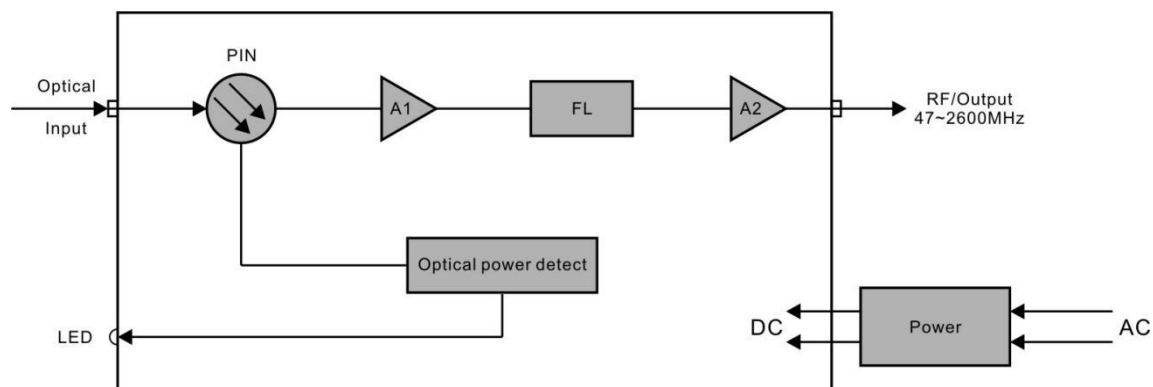
PRODUCT FEATURES

- ▶ PIN optical receiving, -22dBm receiving sensitivity, typical value: -13dBm.
- ▶ High linearity, suitable for Digital TV & SAT-IF application.
- ▶ Wide band type: 47~2600MHz.
- ▶ 10CH Analog TV, Digital TV (DVB-C), Satellite TV (DVB-S)
- ▶ signal can receive via a single fiber at the same time.
- ▶ It can be compatible with any FTTx PON.XGS PON technology.
- ▶ Different exterior structures. Suitable for FTTH, FTTP, FTTB, FTTC.
- ▶ Excellent P/P Ratio.

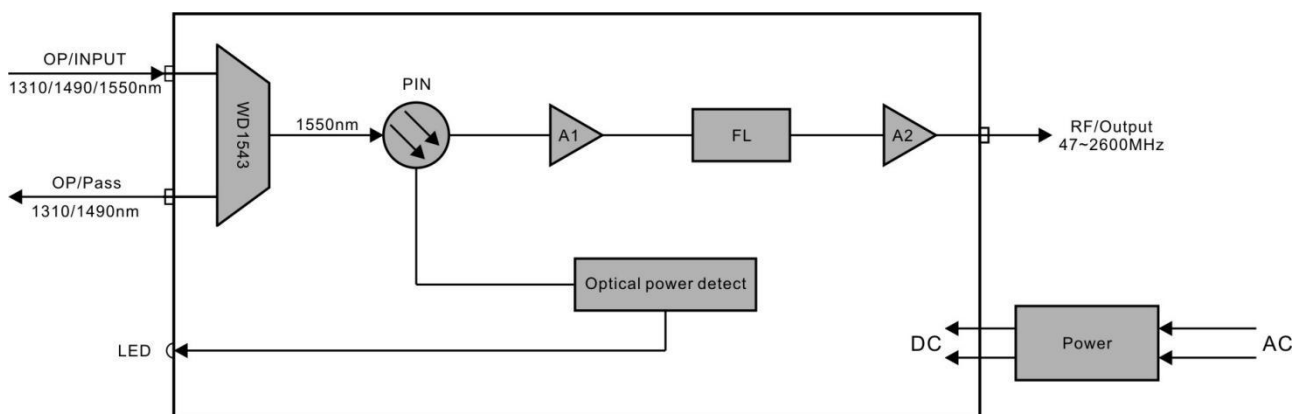


CIRCUIT DIAGRAM OF OPTICAL RECEIVER

HRS-26D-□ 13-00



HRS-26D-□ 13-WD



TECHNICAL INDEX

Performance				Index			Supplement
				Min.	Typ.	Max.	
Optical feature	Operating wavelength	(nm)		1260		1620	HRS-26D-xxx-00
				1540		1563	HRS-26D-xxx-WD
	Pass wavelength	(nm)		1310/1490			HRS-26D-xxx-WD1
				1270,1310,1490,1577			HRS-26D-xxx-WD2
	Responsivity	R13	(A/W)	0.9			1310nm
		R15		0.95			1550nm
	Receiving optical power	Typical	(dB)		-13		
		Sensitivity				-22	Pr
		Overload		+3			Po
	Return loss	(dB)		50			
Optical connector				SC/APC			Option LC/APC
IF feature	Operating bandwidth	(MHz)		47		2600	
	Output level	(dBmV)		10		30	
	Flatness	(dB)		-1.0		+1.0	47~862MHz
				-0.5		+0.5	40MHz
				-1.5		+1.5	950~2400MHz
	Return loss	(dB)		14			47~862MHz
				12			950~2400MHz
	Channel loading	(CH)				10	Analogue TV
						64QAM	Digital TV
						36	QPSK or FM
	IM3	(dB)		-65			
	HUM	(dB)		-60			
	IP1	(dBm)		18			
	Output impedance	(Ω)			75		Option 50Ω
General feature	SNMP			RJ45			HRS-26D-113
	Communication interface			RS232			HRS-26D-113
	Power supply	AC	(V)	90	220	265	
		DC		-30	-48	-72	
	Power consume	(W)				5	Single PS
	Operating temp.	(℃)		-5		+65	
	Storage temp.	(℃)		-40		+85	
	Relative humidity	(%)		5		59	
	Size(W)×(D)×(H)	(")		19×14.5×1.75			HRS-26D-108
		(mm)		88×50×22			HRS-26D-208
				59.5×98×24			HRS-26D-308

PRODUCT SERIES

Model number	Optical receiver PD type	Typical value of receiving power	Exterior structure	CWDM
HRS-26D-113-00	PIN	-13dBm	19" 1RU	None
HRS-26D-213-00	PIN	-13dBm	B-type, Desktop	None
HRS-26D-213-WD	PIN	-13dBm	B-type, Desktop	Built-in WDM
HRS-26D-313-00	PIN	-13dBm	C-type, Desktop	None
HRS-26D-313-WD	PIN	-13dBm	C-type, Desktop	Built-in WDM

MODEL EXPLANATION

HRS - 26D - 13 - 00 - 0 / 00 - 00

Product type		Operating bandwidth		Product feature		Reception sensitivity		WDM		Optical port position		Connector		Power supply	
HRS	Satellite Optical Receiver	26D	47~2600MHz Digital TV + SAT-IF	1	19"standered type	13	-13dBm	00	Without WDM	F	Front panel	SA	SC/APC	48	-48VDC
				2	B-Type, desk-type	24	-24dBm	WD1	With WDM	B	Back panel	FA	FC/APC	22	220VAC
				3	C-Type, desk-type			WD2	With WDM			LA	LC/APC	11	110VAC

Note: WD1:Pass wavelength 1310/1490nm

WD2:Pass wavelength 1270/1310/1490/1577nm