

HRS-26A (47~862MHz & 950~2600MHz)

Satellite TV & Analog TV PIN optical receiver

PRODUCT DESCRIPTION

Guangtai HRS-26A optical receiver, adopting high-sensitivity PIN detector, Taking the technology of frequency division multiplexing, it can receive analogue CATV and SAT-IF signal with the frequency of 47~862MHz and 950~2600 Mhz over single fiber. It can be compatible with any FTTx PON to realize triple-play of analog TV, Digital TV (DBS-C, DBS-T), Satellite TV, Internet and FTTH.

HRS-26A-H2-00-108: adopting 1U 19" standard casing, the working parameters of the unit are controlled by micro-processor. LCD on the front panel can display the working status and failure and diagnosis. Standard RS232 communication interface, SNMP function. Suitable for project application.

HRS-26A-H2-WD-108: 1U 19" standard casing, Suitable for FTTx PON. Build-in WD1543, un-seamed connection with ONU in EPON, GPON system.

HRS-26A-H2-00-208: B-type Desktop, easy to connect with multi-switch to STB.

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HRS-26A-H2-00-308: C-type Desktop, easy to connect with multi-switch to STB.

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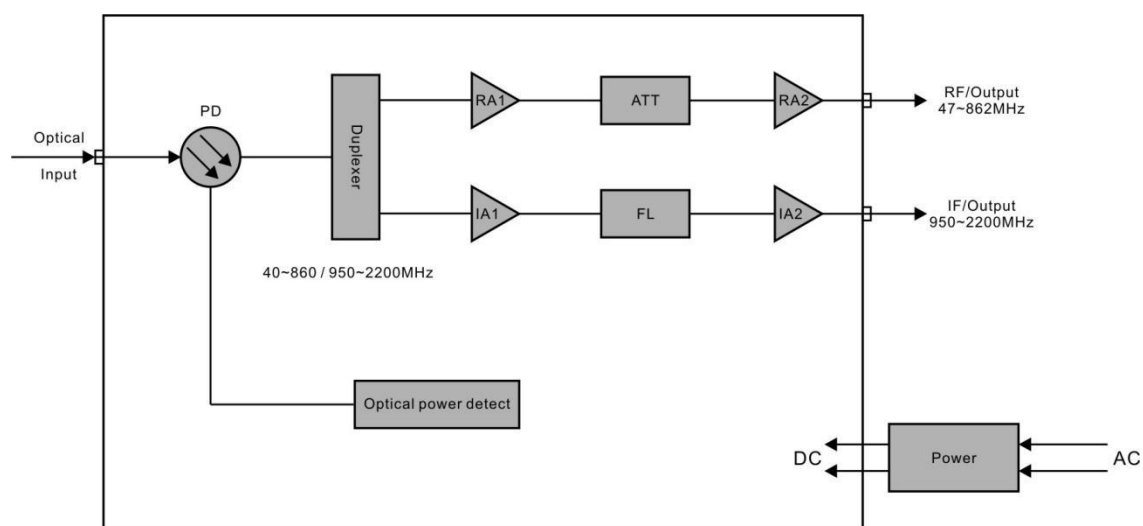


PRODUCT FEATURES

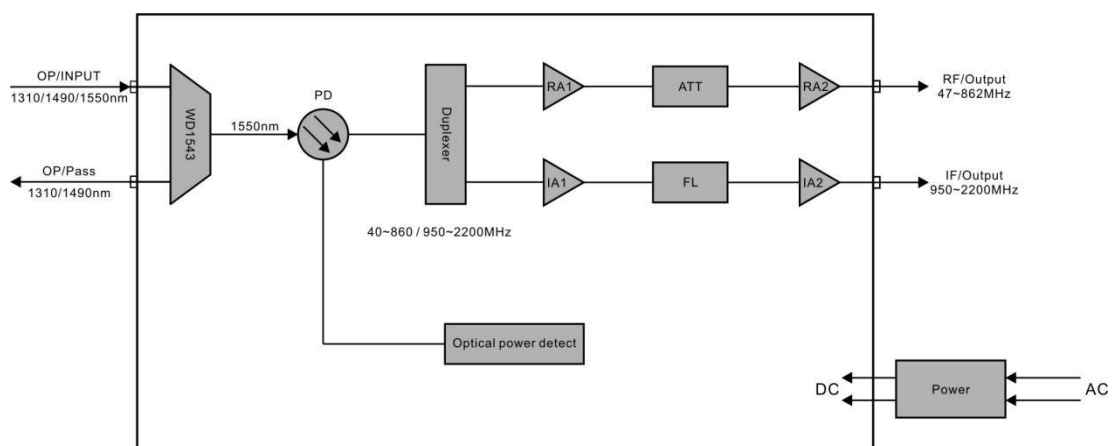
- High linearity, suitable for Analog CATV & SAT-IF application.
- Wide band: 47~862MHz & 950~2600MHz Respectively output by two RF output port .
- It can receive analogue CATV and SAT-IF signal over single fiber.
- It can be compatible with any FTTx PON.
- Excellent P/P ratio.

CIRCUIT DIAGRAM OF OPTICAL RECEIVER

HRS-26A-H2-00-□ 08



HRS-26A-H2-00-□ 08



TECHNICAL INDEX

Performance				Index			Supplement
				Min.	Typ.	Max.	
Optical feature	Operating wavelength	(nm)		1260		1620	HRS-26A-H2-00-xxx
	Responsivity	R13	(A/W)	0.9			1310nm
		R15		0.95			1550nm
	Receiving optical power	Typical	(dB)	-8		+2	
		Sensitivity				-13	Pr
		Overload		+5			Po
	Return loss	(dB)		50			
	Optical connector			SC/APC			Option LC/APC
RF feature	Operating bandwidth	(MHz)		47		862	
	Output level	(dBmV)		10		30	
	Flatness	(dB)		-0.75		+0.75	
	Return loss	(dB)		16			47~862MHz
	Output impedance	(Ω)			75		47~862MHz
	RF connector			F-female			
	Channel loading			PAL-D/60CH			
	CNR	1310nm	(dB)	51			
		1550nm		50			
	CTB	1310nm	(dB)	-65			
		1550nm		-63			
	CSO	1310nm	(dB)	-63			
		1550nm		-53			
IF feature	Operating bandwidth	(MHz)		950	2200	2600	
	Output level	(dBmV)		-40		+24	
	Flatness	(dB)		-0.5		+0.5	40MHz
				-1.5		+1.5	950~2400MHz
	Return loss	(dB)		12			950~2400MHz
	Output impedance	(Ω)			75		Option 50Ω
	IF connector			F-female			
	IM3	(dB)		-65			
	HUM	(dB)		-60			
General feature	SNMP			RJ45			HRS-26A-H2-XX-108
	Communication interface			RS232			HRS-26A-H2-XX-108
	Power supply	AC	(V)	90	220	265	HRS-26A-H2-XX-108
	Power consume	(W)				10	Single PS
	Operating temp.	(℃)		-5		+65	
	Storage temp.	(℃)		-40		+85	
	Relative humidity	(%)		5		59	
	Size(W)×(D)×(H)	(mm)		88×50×22			HRS-26A-208

