

HRS-26S (950~2600MHz)

Satellite L-Band PIN optical receiver

PRODUCT DESCRIPTION

Guangtai HRS-26S optical receiver, adopting high-sensitivity PIN detector, receiving sensitivity is -22dBm, typical value: -13dBm. It can receive analogue and digital signal on satellite antenna LNB with the frequency of 950~2600MHz, It can be compatible with any FTTx PON to realize combination of Direct Broadcasting Satellite (DBS) with Internet and FTTH, it can also be used for L-Band uplink/downlink of satellite communication.

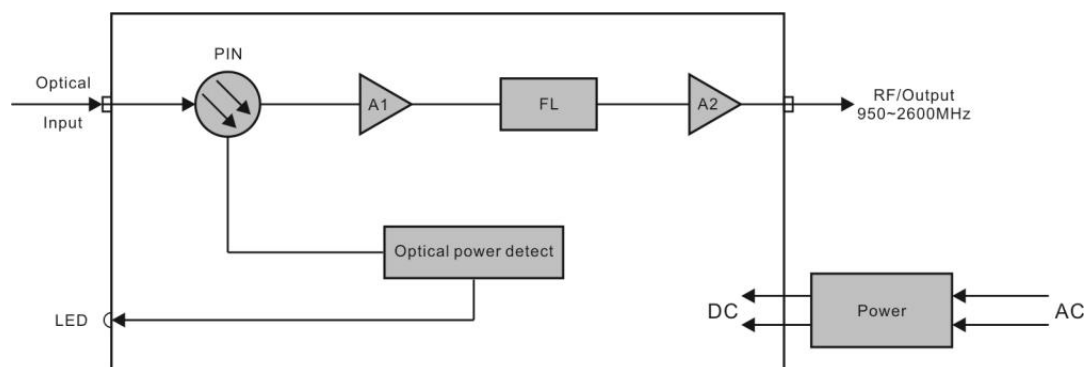
PRODUCT FEATURES

- ▶ PIN detector, -22dBm receiving sensitivity, typical value: -13dBm.
- ▶ 950~2600Mhz high bandwidth, suitable for SAT-IF application.
- ▶ Receiving all L-BAND satellite signal of LNB over single fiber.
- ▶ It can be compatible with any FTTx PON technology.
- ▶ Different exterior structures. Suitable for FTTH, FTTP, FTTB, FTTC.
- ▶ Excellent P/P ratio.

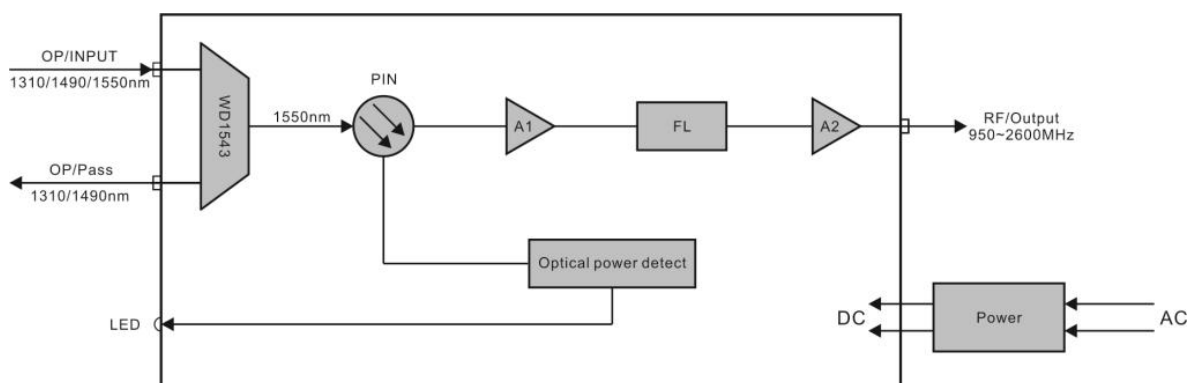


CIRCUIT DIAGRAM OF OPTICAL RECEIVER

HRS-26S-□ 13-00



HRS-26S-□ 13-WD



TECHNICAL INDEX

Performance			Index			Supplement
			Min.	Typ.	Max.	
Optical feature	Operating wavelength	(nm)	1260		1620	HRS-26S-xxx-00
			1540		1563	HRS-26S-xxx-WD
	Pass wavelength	(nm)	1310/1490			HRS-26S-xxx-WD
	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)	950		2600	
	Output level	(dBmV)	10		30	
	Flatness	(dB)	-0.5		+0.5	40MHz
			-1.0		+1.0	950~2400MHz
	Return loss	(dB)	12			950~2400MHz
	Channel loading	(CH)			36	QPSK or FM
	IM3	(dB)	-65			
	HUM	(dB)	-60			
	IP1	(dBm)	18			
	Output impedance	(Ω)		75		Option 50Ω
General feature	SNMP		RJ45			HRS-26S-113
			RS232			HRS-26S-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-26S-108
		(mm)	88×50×22			HRS-26S-208
			59.5×98×24			HRS-26S-308

PRODUCT SERIES

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

MODEL EXPLANATION

HRS - 26S - 1 3 - - / -

Product type		Operating bandwidth		Product feature		Reception sensitivity		WDM		Optical port position		Connector		Power supply	
HRS	Satellite Optical Receiver	26S	950~2600MHz 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	WD	With WDM	B	Back panel	FA	FC/APC	22	220VAC
				3	C-Type, desk-type							LA	LC/APC	11	110VAC