

HRS-26S/P Satellite L-Band PIN optical receiver

PRODUCT DESCRIPTION

HRS-26S/P 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 , XGS 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. HRS-26S/P-113-00: 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. It is suitable for project application.

HRS-26S/P-213-00: Desktop, Minimum exterior structure in the area.

HRS-26S/P-313-00: Wall-mounted.

HRS-26S/P-913-00: Rainproof type, suitable for field installation.

HRS-26S/P-213-WD: Desktop, suitable for FTTx PON , XGS PON. Build-in WD1543, un-seamed connection with ONU in EPON, GPON system.

HRS-26S/P-313-WD: Wall-mounted, suitable for FTTx PON , XGS PON. Build-in WD1543, un-seamed connection with ONU in EPON, GPON system.



PRODUCT FEATURE

- ▶ 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 , XGS PON technology.
- ▶ Different exterior structures. Suitable for FTTH, FTTP, FTTB,
- ▶ FTTC.
- ▶ Excellent P/P ratio.

MAIN APPLICATION

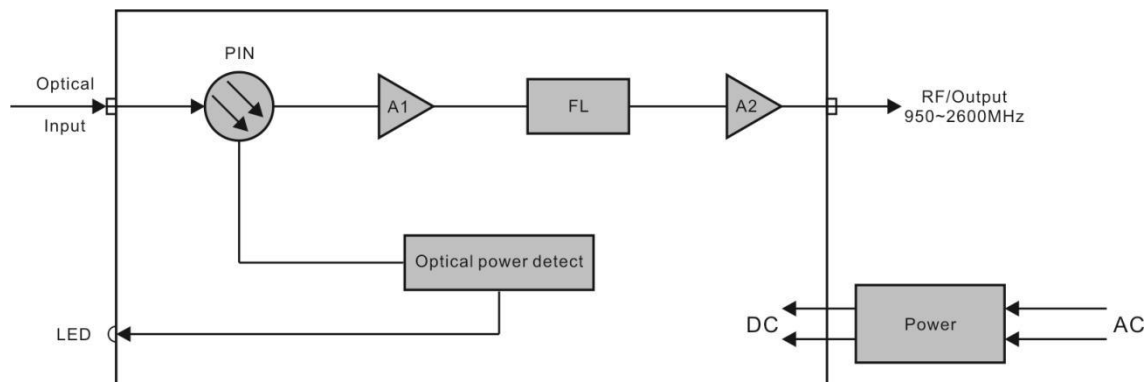
- ▶ Satellite L-Band optical fiber building distribution system
- ▶ Optical fiber distribution system for ocean going vessels
- ▶ Satellite L-Band up / down fiber optic link

TECHNIQUE INDEX

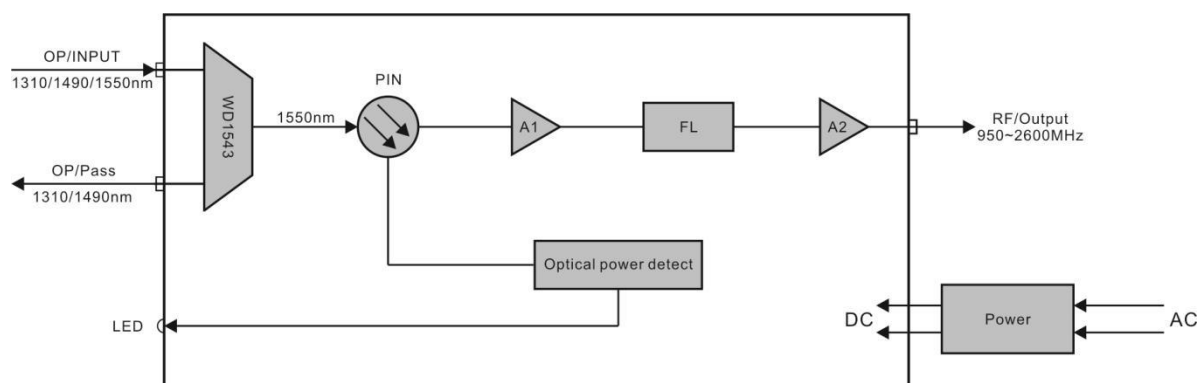
Performance			Index			Supplement			
			Min.	Typ.			Max.		
Optical feature	Operating wavelength		(nm)	1260			1620	HRS-26S/P-xxx-00	
				1540			1563	HRS-26S/P-xxx-WD	
	Pass wavelength		(nm)			1310/1490		HRS-26S/P-xxx-WD	
	Reasonability	R13	(A/W)	0.9				1310nm	
		R15		0.95				1550nm	
	Receiving optical power	Typical	(dBm)			-13			
		Sensitivity				-22		Pr	
		Overload		+3					Po
	Optical receiving PD			PIN					
	Return loss		(dB)	50					
Optical connector			SC/APC or LC/APC						
RF feature	Working bandwidth		(MHz)	950			2600		
	Output level		(dBmV)	10			30		
	Flatness		(dB)	-0.5			+0.5	40MHz	
				-1.0			+1.0	950~2400MHz	
	Output 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	
	RF connector			F- Female				75Ω	
SMA-F				50Ω					
General feature	SNMP interface			RJ45				HRS-26S/P-113	
	Communication interface			RS232				HRS-26S/P-113	
	Power supply	AC	(V)	90	220	265			
		DC		-30	-48	-72			
	Power consumption		(W)			5		Single PS	
	Operating temp.		(℃)	-5			-65		
	Storage temp.		(℃)	-40			+85		
	Relative humidity		(%)	5			95		
	Size			(")	19 ×14.5×1.75				HRS-26S/P-113
				(mm)	59×98×23				HRS-26S/P-213
117×72×29					HRS-26S/P-313				
150×135×98					HRS-26S/P-913				

OPTICAL RECEIVER ELECTRICAL SCHEMATIC DIAGRAM

HRS-26S/P-□13-00



HRS-26S/P-□13-WD



Model	Optical receiving diode type	Typical value of receiving power	Exterior structure	CWDM
HRS-26S/P-113-00	PIN	-13dBm	19" 1RU	None
HRS-26S/P-213-00	PIN	-13dBm	Desktop	None
HRS-26S/P-213-WD	PIN	-13dBm	Desktop	Build-in WDM
HRS-26S/P-313-00	PIN	-13dBm	Wall-mounted	None
HRS-26S/P-313-WD	PIN	-13dBm	Wall-mounted	Build-in WDM
HRS-26S/P-913-00	PIN	-13dBm	Field Rainproof	None
HRS-26S/P-713-00	PIN	-13dBm	High-output MGC	None

Product type		Operating bandwidth		Optical receiving PD type		Product feature		Reception sensitivity		WDM		Optical port position		Connector		Power supply			
HES	Satellite Externally Modulated Optical Transmitter	26A	47~862MHz & 950~2600MHz Analog TV + SAT-IF	P	PIN	1	19" standered type	13	~13dBm	00	Without WDM	F	Front panel	SA	SC/APC	48	-48VDC		
				A	APD	2	Small ferrous box, desk-type	24	~24dBm	WD	With WDM	B	Back panel	FA	FC/APC	22	220VAC		
HDS	Satellite Direct Modulated Optical Transmitter	26D	47~2600MHz Digital TV + SAT-IF			3	Small aluminum box, wall-mounted type									LA	LC/APC	11	110VAC
HRS	Satellite Optical Receiver	26S	950~2600MHz SAT-IF			9	Aluminum die-casting rainproof type												
						0	OEM												
						7	Distinctive appearance performance												
						8	2U, 3U plug-in												