

HR2080A, HR2080B

HFC 8 ways return path optical receiver

PRODUCT DESCRIPTION

HR2080 series HFC 8 ways return path receiver can convert upstream optical signal to RF signal at the head-end and remote control center. 8 independent receivers integrated into a 1RU 19" casing to supply service for HFC network terminal. Receiver's low noise design, -22dBm receive sensitivity can provide service to farther place.

There are two versions of this receiver. HR2080A with LCD on the front panel, HR2080B without LCD. All receivers are temperature tolerance type can be installed in any network surroundings including out-door type. Both of these two types can adopt SNMP function which can control the front panel to realize optimization work at the head-end and remote installment.



PRODUCT FEATURES

- ▶8 low noise optical receiver, up to -22dBm receive sensitivity
- ▶ 1200~1620nm wide wavelength
- ▶ SNMP network management function option
- ▶RF output level can be adjusted by network
- ▶ Built-in 1+1 backup power, redundant A/B inputs (option)
- ▶ Good performance of resistance to temperature, allow -40~+65 °C operating temperature
- ▶ Simple mode, 19" 1RU mount, contain 8 pcs of independent optical receiver
- ► Excellent P/P ratio

MAIN APPLICATION

▶HFC



TECHNICAL INDEX

	Dorfor	mance			Index	Commission			
	Perior	mance		Min.	Тур.	Max.	Supplement		
	Operating wavelength	ı	(nm)	1260		1620			
		R13		0.85	0.95		1310nm		
	Responsivity	R15	(A/W)	0.85	1.0		1550nm		
		R16			0.85		1610nm		
Optio	Optical link budget los	ss	(dB)	17					
Optical feature		Typical		-17		-7			
ature	Receiving power	Sensitivity	(dBm)		-23	-22	Pr		
		overload		0	+1		Po		
	Number of optical rec	eiver	(pcs)		8				
	Return loss		(dB)	50					
	Optical connector				SC/APC	LC/APC option			
	Operating bandwidth		(MHz)	5		200			
	RF output level		(dBmV)	30		60			
	RF gain adjustable		(dB)	-30		0			
RF feature	Flatness		(dB)	-0.75		+0.75			
ature	Return loss		(dB)	16			54~870MHz		
	RF test point/monitor		(dB)	-20.5	-20	-19.5			
	Noise power ratio		(dB)	37			F-P, link loss >15dB		
	Noise power ratio		(ub)	41			DFB, link loss >15dB		
	Power supply	AC	0.0	90	220	265			
ဂ္ဂ	Power supply	DC	(V)	-30	-48	-72			
enera.	Power consume		(W)			96			
General feature	Operating temp.		(℃)	-40		+65			
	Relative humidity		(%)	5		95			
	Size (W)×(D)×(H)		(mm)		483×305×44				



MODEL EXPLANATION

						H	R E	2080	_			- SA									
In-door CATV	В	Bandwidth		Reception sensitivity		Number of optical receiver		Number of optical transmitter		Whether has LCD on the front panel		Network management		RF output port position		Optical port position		Connetor		Power supply	
optical receiver	1	100MHz	0	-22dBm	4	4 pcs	0	None	Α	With LCD	N	No	F	Front panel	F	Front panel	SA	SC/APC	22	220VAC	
	2	200MHz	1	-32dBm	7	7 pcs	1	1 pcs	В	Without LCD	W	With	В	Back panel	В	Back panel	FA	FC/APC	11	110VAC	
	7	750MHz			8	8 pcs											LA	LC/APC	48	-48VDC	
	8	870MHz				,	8														
	9	1000MHz																			