

GRS-6004 (950~5950MHz)

4 SAT-IF Optical Receiver

PRODUCT DESCRIPTION

GRS-6004, a kind of 4-band SAT -IF O/E converter, which makes the superposed 4 ways SAT-IF signals in the band 950~5950MHz that transmitted by optic signal cleavage overlay and revert to standard VH,VL, HH, HL 4 ways SAT IF signal (SAT-IF) to output. It can connect 4 * N satellite multi-channel switch, and then serve for multi-users.

GRS-6004-WD, GRS-6004-WF, can be compatible with any FTTx PON, to realize internet, Full-Band SAT-TV & CATV Triple-ply network and FTTH

GRS-6004 the forepart of the satellite antenna adopt satellite channel overlay LNB, such as LNB-2204.



PRODUCT FEATURES

- ▶ Adopt one fiber to transmit 4 ways polarization SAT-IF signal well
- ▶ GRS-6004 (Can connect 4*N multi-switch)

MAIN APPLICATION

- ▶ FTTH for DBS
- ▶ Triple-play Overlay DVB-S
- ▶ 4 SAT - IF overlay/ cleavage overlay optical fiber links

TECHNICAL INDEX

Performance			Index			Supplement	
			Min.	Typ.	Max.		
Optical feature	CATV work wavelength	(nm)	1260		1620	GRS-6004	
			1540		1563	GRS-6004/WF, GRS-6004/WD	
	Pass wavelength	(nm)	1310, 1490			GRS-6004/WD	
	Channel isolation	(dB)	40				
	Responsibility	(A/W)	0.85			1310nm	
			0.9			1550nm	
	Receiver power	(dBm)	-15				
	Optical return loss	(dB)	40	45		FC/PC, SC/PC	
			55	60		FC/APC, SC/APC	
	Optical fiber connector		SC/APC			Optional FC/APC, SC/PC, FC/PC	
	Frequency range Output	VL	(MHz)	950		1950	
		VH		1100		2150	
		HL		950		1950	
		HH		1100		2150	
	Gain ripple across band	(dB)	-3.0		+3.0		
	Gain ripple across 40MHz	(dB)	-0.5		+0.5		
	Channel isolation	(dB)		30			
	In band spurious power	(dB)	-25				
	Out band spurious power	(dB)			-60		
	Gain range	(dB)	-1.0		36		
	Output level	(dBm)	-65		-25		
	Integrated phase noise	(dB)		4.0		1KHz~13KHz	
	OIP3	(dB)	+10				
	Output return loss	(dB)		10			
	Output impedance	(Ω)		75			
	RF number of connector output			4			
	RF connector		F-Female				
General feature	Power supply (DC)	(V)		+18			
	Power consume	(mA)			300		
	External power supply input voltage	(V)	90		265		
	Operating temp.	(℃)	-30		+60		
	Storage temp.	(℃)	-40		+70		
	Size	(mm)	126 × 162×27			(W)x(D)x(H)	

MODEL EXPLANATION

SAT receiver (O/E convertor)		Work bandwidth		Satellite multi-switch		RF number of outputs		Optical connector		CWDM	
	60	950~5950 MHz 4 SAT-IF		0	Without	4	4 satellite outputs	SA	SC/APC	NC	Without
				4	With 4 × 4 Multiswitch	5	4 way satellite 1 Way CATV	FP	FC/APC	WD	Build-in CWDM
								SU	SC/PC	WF	Build-in Filter
								FP	FC/PC		