

GRS-6044 (950~5950MHz)

4 SAT-IF Optical Receiver (Built-in 4 * 4 Satellite Switch)

PRODUCT DESCRIPTION

GRS-6044, 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), and then pass by the built-in 4 * 4 satellite switch to output 4 way full-channel direct broadcasting satellite TV, and then serve for users.

GRS-6044/WD, GRS-6044/WF, can be compatible with any FTTx PON, to realize internet, Full-Band SAT-TV & CATV Triple-ply network and FTTH

GRS-6044 the forepart of the satellite antenna adopt satellite channel overlay LNB, such as LNB2204.



PRODUCT FEATURES

- ▶ Adopt one fiber to transmit 4 ways polarization SAT-IF signal well
- ▶ GRS-6044 (built-in 4*4 satellite switch)

MAIN APPLICATION

- ▶ FTTH for DBS
- ▶ Triple-ply 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-6044	
				1540		1563	GRS-6044/WF, GRS-6044/WD	
	Pass wavelength		(nm)	1310, 1490			GRS-6044/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	
	Polarized control		VL		13V+0Hz			
			VH		13V+22KHz			
			HL		18V+0Hz			
			HH		18V+22KHz			
	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 isolation		(dB)		25		4×4 Satellite Switch	
	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	4	With 4 × 4Multiswitch	4	4 satellite outputs	SA	SC/APC	NC	Without		
		0	Without	5	4 way satellite 1 Way CATV	FP	FC/APC	WD	Build-in CWDM		
						SU	SC/PC	WF	Build-in Filter		
						FP	FC/PC				