

GRS-6844 (47~862MHz & 950~5950MHz)

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

PRODUCT DESCRIPTION

GRS-6844, a kind of 4-band SAT-IF O/E converter, which makes the superposed 4 ways SAT-IF signals in the band 47~862MHz & 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-6844/WD, GRS-6844/WF, can be compatible with any FTTx PON, to realize internet, Full-Band SAT-TV & CATV Triple-ply network and FTTH

GRS-6844 the forepart of the satellite antenna adopt satellite channel overlay LNB.



PRODUCT FEATURES

- ▶ Adopt one fiber to transmit 4 ways polarization SAT-IF signal well
- ▶ GRS-6844 (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-6844	
				1540		1563	GRS-6844/WF, GRS-6844/WD	
	Pass Wavelength		(nm)	1310, 1490			GRS-6844/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

GRS		68		4	4	/	□□		-	□□	
SAT Receiver (O/E convertor)	Operating bandwidth		Satellite multi-switch		RF number of outputs		Optical Connector		CWDM		
	68	47~862MHz & 950~5950MHz Analog TV +4 SAT-IF	4	With 4x4 Multiswitch	4	4 satellite outputs	SA	SC/APC	NC	Without	
			0	Without			FA	FC/APC	WD	Bulid-in CWDM	
					4	Sat & CATV Output	SP	SC/PC	WF	Bulid-in-Filter	
							FP	FC/PC			