

# HRS-26D-6CW (47~2600MHz)

## CWDM 6CH SAT-IF & CATV Direct Modulated Optical Receiver

### PRODUCT DESCRIPTION

The Guangtai HRS-26D-6CW receiver converts the optical signals from the Guangtai HRS-26D-6CW into six wideband RF satellite channels (47~2600MHz) while allowing a pass thru of EPON/GPON wavelengths from one single mode fiber. Guangtai receivers employ a series of high grade, replaceable micro receiver modules and a specialized CWDM. This specialized CWDM allows the delivery of data to any standard EPON/GPON ONT via the SC/APC output of the unit. LEDs indicate optical input signal is within the proper range. A typical F port style coaxial connection is used to connect the external power supply allowing for flexible powering options and reducing overall operating temperature of the unit.



### FEATURES AND BENEFITS

- ▶ Six wideband RF outputs for multi satellite applications
- ▶ SC/APC optical output to deliver services to any standard subscriber EPON/GPON ONT
- ▶ F-port style power connections allows for flexibility in deployment
- ▶ Receivers are mounted in replaceable modules to keep operating costs to a minimum
- ▶ 6 (47~2600MHz) RF signal outputs from CWDM 1470-1610 nm optical signal
- ▶ Stand alone housing with mounting holes
- ▶ Optical pM system test

## SPECIFICATIONS

	Performance	Unit	Index	Supplement
Optical Specifications	Frequency Range	MHz	47~2600	
	Impedance	dBm	75	
	Flatness	dBm	±2.0	
	CNR	dBm	≥45	
	CSO	dBm	≥56	
	CTB	dBm	≥60	
	IMD	dBm	≥50	
	Output Return Loss	dBm	≤-12	
Optical Specifications	Wavelength Range	nm	1270~1610	
	Data Optical Wavelength Pass Through	nm	1490, 1550, 1310	
	Data Optical Insertion Loss @ 1490, 1550 And 1310 nm	dBm	1.5	Normal
			2	Maximum
	Optical Input Power:-18 ~ -8 dBm	nm	1470-1610	
	Gain Control	dBm	8	Optical Power
	Optical Input Return Loss	dBm	≤-45 dB	
Power Supply	Dc Power Input		F-Type	
	Supply Voltage (Current)		20-29V	(1-1.5A)
	Maximum Power Consumption	W	30	
Environment	Operating Temperature Range	°C	-10 ~ +55	
	Storage Temperature Range	°C	-45 ~ +85	
	Maximum Relative Humidity		≤95 %	No Condensation
Housing	Number of RF Output Port(s)		6	F-type
	Number of Fiber Input Port(s)		1	SC/APC
	Number of Fiber Output Port(s)		1	SC/APC
	Power Supply Port(s)		1	F-type
	Dimension L x W x H	mm	245 x 180 x 60	
	Power Supply Indicator		Green LED - On	Single Color LED
	Optical Input Power Indicator		Low-Red,	3 Single Color LED
			Normal-Green	
			High-Red	