SAT-IF Optical Transmitter / Receiver

HDS-26S / HRS-26S/P

Features

- *Different models and housing available for different satellite L-band transmission applications*
- *Able to transmit all satellite L-band analogue and digital signals in 950 - 2400MHz*
- *Different optical wavelength options: 1310nm, 1550nm and CWDM*
- *Achieved high reliability and long lifetime by perfect laser*
- *APC and ATC control circuit*
- *Optical transmitter can supply 13VDC or 18 VDC to LNB*
- *Good in against interference from EM, RF and thunderstorm*
- *Cost effective*

Specifications

	HDS-26S	MIN	TYP.	MAX
Optical Feature	Wavelength Stability	-1 Pm/ °C	---	0 Pm/ °C
	Equivalent Noise Temperature	---	---	-155 dB/Hz
	Side Mode Suppression Ratio	35 dB	---	---
	Optical Isolation	30 dB	---	---
	Extinction Ratio	8.2 dB	---	---
	SBS	16@1310 nm	---	---
	Return Loss	50 dB	≥ 0dB	---
	Optical Connector	SC/APC & LC/APC		
RF Feature	Operating Bandwidth	950 MHz	---	2600 MHz
	Input Range	-40 dBm	---	-14 dBm
	Flatness	2 dB	---	2 dB
	Return Loss	12dB	---	---
	Channel Loading	36 CH		
	CNR	28 dB	---	---
	CTB	---	---	-36 dB
	CSO	---	---	-36 dB
	Input Impedance	---	75Ω	---
	RF Connector	---	F-Female	---
	To LNB Voltage	---	13/18 VAC	---
	To LNB Current	---	---	300 mA
General	Power Supply	DC 12V		
	Power Consumption	---	---	5 W
	Operating Temperature	- 5°C	---	65°C
	Storage Temperature	- 40°C	---	85°C
	Operating Relative Humidity	5%	---	95%

	HRS-26S/P		MIN	TYP.	MAX
Optical Feature	Operating Wavelength		1260 nm	---	1260 nm
	Reasonability (R13)		0.9 A/W	---	---
	Receiving Optical Power	*Typ*	---	≥-13	---
		Overload	+3 dBm	---	---
	Optical Receiver PD			PIN	
	Return Loss		50 dB	---	---
	Optical Connector			SC / APC	
RF Feature	Working Bandwidth		950 MHz	---	2600 MHz
	Output Level		10 dBmV	---	30 dBmV
	Flatness	*950-2400MHz*	-1.0 dB	---	+1.0 dB
	Output Return Loss	*950-2400MHz*	12 dB	---	---
	Channel Loading	*PQSK or FM*	---	---	36 CH
	IM3		- 65 dB	---	---
	HUM		- 60 dB	---	---
	IP1		18 dBm	---	---
	Output Impedance	*Option 50Ω*	---	75Ω	---
	RF Connector	*75Ω*		F-Female	
General	Power Consumption		---	---	5 W
	Operating Temperature		- 5°C	---	- 65°C
	Storage Temperature		- 40 °C	---	+85°C
	Operating Relative Humidity		5%	---	95%
	Size	*HRS-26S/P-113*		19" x 14.5" 1.75"	
		HRS-26S/P-213		59 x 98 x 23 mm	
		HRS-26S/P-313		117 x 72 x 29 mm	
		HRS-26S/P-913		150 x 135 x 98 mm	

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

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