VL-FRX-02 Forward Receiver

Description

The VL-FRX Forward Path Receiver accepts two optical inputs can be redundancy with a wavelength between 1200 and 1600nm and an optical power input range of –3 to +3dBm. One set RF outputs have a pass-band from 47 to 1003MHz and can be attenuated between -20 and 0dB using the front panel controls.

Specifications

Parameter	Unit	Specification	Note
Optical Performance			
Wavelength	nm	1200-1600	--
Input port		2	--
Input power	dBm	-3 to +3	--
Connector		SC/APC	--
RF Performance			
Bandwidth	MHz	47-1003	--
Return loss	-dB	≥16	--
Flatness	dB	+/-0.75	--
Impedance	ohm	75	--
Output level	dBmV	≥35	1
Test point	dB	-20+/-0.75	--
CNR	dB	≥51	1
CSO	-dBc	≥63	2
CTB	-dBc	≥67	2
MGC	dB	0 to -20	--
Connector		F-female	--
Electrical/Physical Performance			
Supply voltage	VDC	24	--
Power consumption	W	<10	--
Dimensions	mm	410D x 24W x 128H	--
Weight	Kg	1.2	--

1.-1dBm optical input，OMI=3.3%，AGC setting
2.35dBmV output, +3dBm optical input，OMI=3.3%, NTSC 77 channels loading

Features

- Hot swap plug-in module
- 1200 to 1600nm wavelength
- –3 to +3dBm optical input range
- 47 to 1003MHz RF output pass-band
- 35dBmV RF output power
- RF attenuator can adjustable using front panel from -20 to 0dB
- Two optical inputs can be redundancy

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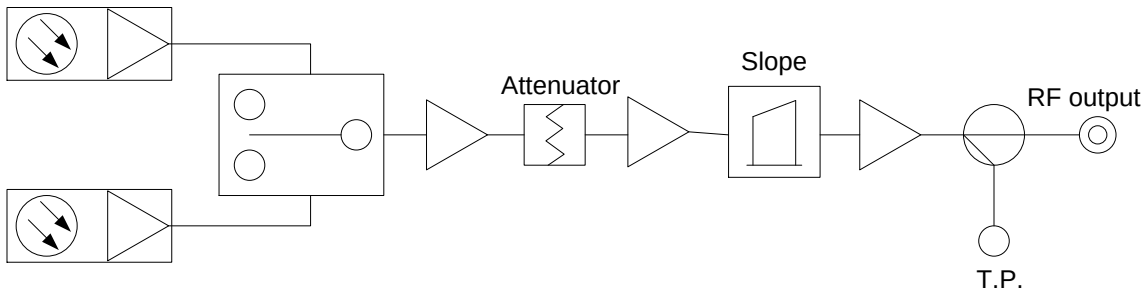
Absolute Maximum Ratings

Stresses in excess of the absolute maximum ratings can cause permanent damage to the device. These are absolute stress ratings only. Functional operation of the device is not implied at these conditions. Exposure to absolute maximum ratings for extended periods can adversely affect device reliability.

Parameter	Symbol	Unit	Min	Max
Operating temperature	Top	˚C	0	50
Storage temperature	Tstg	˚C	-40	70
Humidity	H	%		85, non-condensing

Block Diagram



Ordering Information

VL-FRX-02	--	XX
		Customer specify

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