

VSFRX Forward Receiver

Description



The VSFRX series products are standard 1RU rack-mounted forward path receivers. They are designed for headend to hub application using 1310nm or 1550nm wavelengths. The VSFRX series integrates two optical receiver modules which share the same RF amplifier in one unit, providing a redundancy function in a network. The VSFRX series has a bandwidth from 45 to 870MHz and provides superior frequency response, low distortion and noise and high output level. The VSFRX series has two gain control modes. Users can select either AGC or MGC mode with front panel push buttons.

Specifications

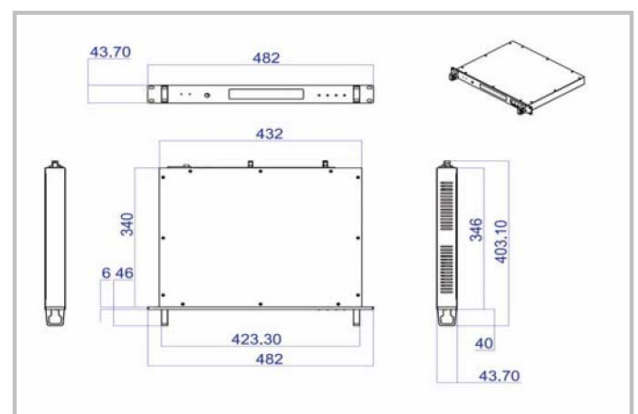
Parameter	Unit	Specification	Note
Optical Performance			
Wavelength	nm	1200-1600	--
Input port		2	--
Input power	dBm	-6 to +2	--
Connector		SC/APC	--
RF Performance			
Bandwidth	MHz	45-870	--
Return loss	-dB	≥16	--
Flatness	dB	+/-1	--
Impedance	ohm	75	--
Output level	dBmV	40	1
Test point	dB	-20+/-1	--
Connector		F-female	--
Electrical/Physical Performance			
Supply voltage	VAC	90-260	50/60Hz
Power consumption	W	<15	--
Dimensions	mm	346D x 482W x 44H	--
Weight	Kg	4	--

1.-1dBm input power , OMI=3.5%

Features

- 45 to 870MHz bandwidth
- 19" standard 1U rack design
- Wide dynamic optical input range: -6 to +2dBm
- High RF output: 40dBmV
- Low distortion and low noise
- Front access -20dB output test points
- Auto/Manual gain control
- LED status indicator lights

Dimensions [Unit:mm]

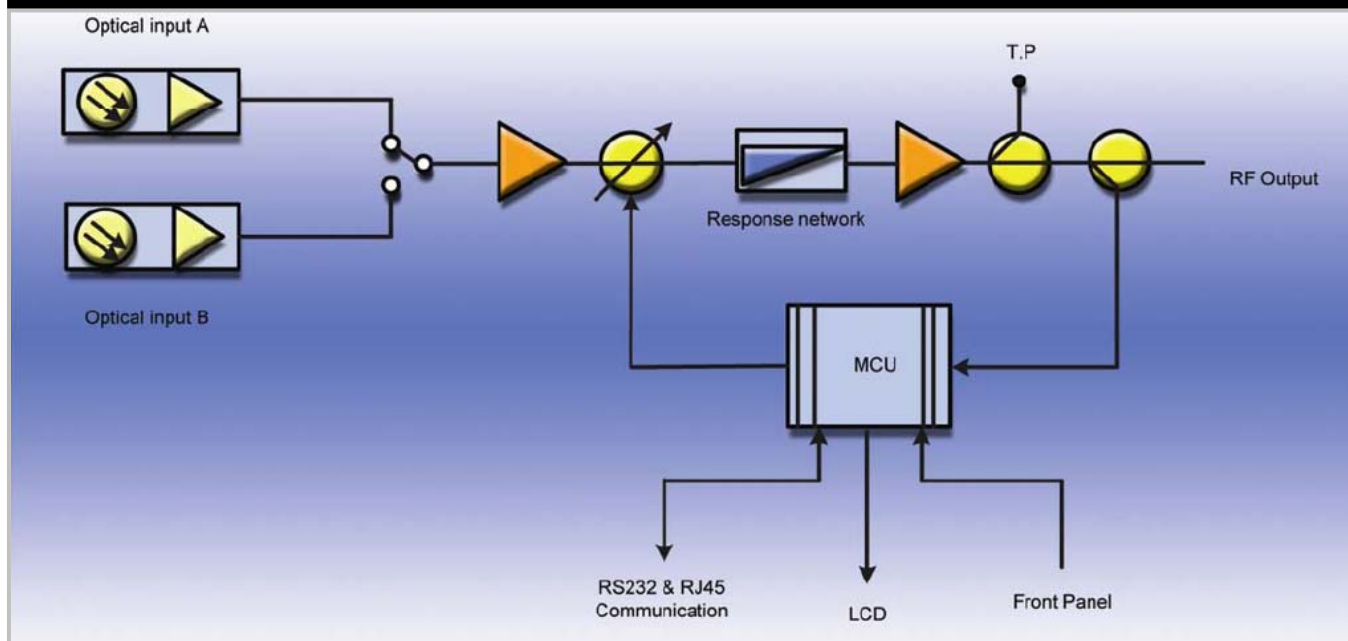


Absolute Maximum Ratings

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	-20	70
Humidity	H	%		85, non-condensing

Block Diagram



Ordering Information

VSFRX	--	XX	--	XX
		Connector : SA = SC/APC FA = FC/APC		Customer specify