

WISI VX 2022 204

Building CATV Amplifier



Description

The VX 2022 is a locally powered in-house amplifier with a frequency range up to 1,2 GHz. It is equipped with an active output and a test point at the input and output. Diplex filter and return path amplifier are consolidated on one module (VX 201-xxx) and available in 65 MHz, 85 MHz and 204 MHz types. All settings will be done by non-interruptible Q-Step switches and jumper. Additionally, a high pass filter XE-xx can be inserted in the return path to minimize Ingress- disorders.

At a glance:

- High output level up to 1,2 GHz at a low power consumption
- Active single output
- Test point at the input and output
- All settings (gain, slope etc.) by rotary switch and Jumper
- Diplex filters, return amplifier pluggable on one module
- Optional receiver according to EN60728-15 for ICS settings
- Optional high pass filter for the return path
- Very low power consumption < 13 W

Technical data

Downstream	
Frequency range	258... 1218 MHz
Gain	22 dB (\pm 0,7 dB)
Frequency response	$\leq \pm$ 0,8 dB
Noise figure	< 7,5 dB @ 1 GHz, < 8,0 dB @ 1,2 GHz
Output level	110 dB μ V (CENELEC 42 Ch. (CSO/CTB \geq 60 dB), flat)
Output level	103 dB μ V (110 Ch/QAM 256, flat, BER < 1E-9)
Output level	102 dB μ V (all QAM (138 x 256 QAM), EN60728-3-1, flat)
Input cable simulator	0/5/10 dB (Jumper)
Input attenuator	0...15 dB (Rotary switch 15 Steps)
Step size	1 dB
Input equalizer	0...30 dB (Rotary switch 15 Steps)
Step size	2 dB
Interstage equalizer (Slope)	0/2/4/6 dB (Jumper)
Step size	2 dB
Equalizer pivot point	1218 MHz
Test point	-20 dB
Upstream	
Frequency range	5...204 MHz
High pass filter pluggable (optional)	15 MHz (WISI - XE 04 0150)
Gain	21 dB (\pm 0,8 dB)
Ripple	\pm 0,5 dB
Noise figure	\leq 8,5 dB
Output level	107 dB μ V (24x256QAM))
Interstage attenuator	0...15 dB (Rotary switch 15 Steps)
Step size	1 dB
Interstage equalizer	0...8 dB (Jumper 4 Steps)
Step size	2 dB
Output attenuator	0/10 dB (Jumper)
Output equalizer	0/6 dB (Jumper)
Ingress control switch (optional)	nach ICS EN 60728
Test point	-20 dB
General data	
RF connectors	PG 11/F
Impedance	75 Ω
In/Output return loss	\geq 18 dB (-1,5dB/Oct. > 12 dB)
Supply voltage	180...265 V AC
Power consumption	< 13 W
Ambient temperature	-20...+55 $^{\circ}$ C
Protection class	IP 67
EMC	EN50083-2
Surge protection RF Ports	2 kV (1,2/50 μ s pulse EN61000-4-5)
Dimensions W x H x D	231 x 85 x 158 mm

Packaging data

Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	mm
Packaging volume sales unit	dm ³
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm ³
Gross weight shipping unit	kg
EAN	4010056737528
Article number	73752
Customs tariff number	85437030