

WISI VX 2035

Building CATV Amplifier 1,2 GHz



Description

The VX 2035 is a location feeding in-house amplifier with a frequency range up to 1.2 GHz. It has an active output and a measuring socket on the input and output. Diplex filter and return path amplifier are grouped together on a module (VX201-xxx) and available in the versions 65 MHz, 85 MHz and 204 MHz. All settings are done without interruption with Q-step switch or jumper. In addition, a high pass filter XE-xx can be plugged in the return path to influence the ingress influences.

At a glance:

- High output level up to 1.2 GHz, with low power consumption
- Active single output
- Measuring socket for 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 EN 60728-14 for ICS-settings
- Optional - pluggable high pass filter at the return path channel
- Very low power consumption <22 W.

Technical data

Downstream	
Frequency range	85...1218 MHz
Gain	35 dB (± 1 dB)
Ripple	$\leq \pm 0,8$ dB
Noise figure	$< 7,5$ dB @ 1 GHz, $< 8,0$ dB @ 1,2 GHz
Output level	115 dB μ V (CENELEC 41 Ch. (CSO/CTB ≥ 60 dB), flat)
Output level	111 dB μ V (110 Ch/QAM 256, flat, BER < 1 E-9)
Output level	110 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/1218 MHz (Rotary switch 15 Steps)
Step size	2 dB
Interstage equalizer (Slope)	0/2/4/6/8/10 dB (Jumper)
Interstage attenuation	0/2/4/6 dB
Test point	-20 dB

Upstream

Frequency range	5...65/5...204 MHz (depending on return path amplifier VX 201 065/VX 201 204)
High pass filter pluggable (optional)	15 MHz (WISI - XE04/0150)
Gain	29 dB (± 1 dB)
Ripple	$\pm 0,5$ dB
Noise figure	$< 6,5$ dB
Output level	110 dB μ V (6 x 256 QAM)
Interstage attenuator	0...15 dB (Rotary switch 15 Steps)
Step size	1 dB
Interstage equalizer	0/2/4/6/8 dB (Jumper)
Output attenuator	0/10 dB (Jumper)
Output equalizer	0/6 dB (Jumper)
Ingress control switch (optional)	nach ICS EN 60728-14
Test point	-20 dB

General data

RF connectors	PG 11/F
Impedance	75 Ω
In/Output return loss	5...40 MHz > 16 , > 40 MHz -1,5dB Oktave, > 12
Supply voltage	230 V AC ± 10 %
Power consumption	< 22 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	232 x 158 x 86 mm

Packaging data

Sales unit	1 pcs.
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Packaging data

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	4010056745301
Article number	74530
Customs tariff number	85437030