

# WISI VX 21 0C 065

Building CATV Amplifier 1218 MHz



## Description

The VX 21 0C 065 is a locally powered in-house amplifier with a frequency range up to 1.2 GHz. It has an active output and a measuring socket at the input and output. Diplex filters and return path amplifier are placed together on a module (VX20 0C xxx) and available in the versions 65 MHz and 204 MHz. All settings are done interruption-free by rotary switches or jumper. In addition, a high pass filter XE-xx can be plugged at the return path to minimize the ingress influence.

## 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 and return path amplifier placed 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 <20 W.

## Technical data

Downstream	
Frequency range	85...1218 MHz
Gain	34 dB ( $\pm 1$ dB)
Frequency response	$\leq \pm 0,8$ dB
Noise figure	$< 7,5$ dB @ 1 GHz, $< 8,0$ dB @ 1,2 GHz
Output level	114 dB $\mu$ V (CENELEC 42 Ch. (CSO/CTB $\geq 60$ dB), flat)
Output level	108 dB $\mu$ V (110 Ch/QAM 256, flat, BER $< 1$ E-9)
Output level	110 dB $\mu$ V (all QAM (138 x 256 QAM), EN60728-3-1, 10 dB slope)
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...14 dB (Jumper)
Step size	2 dB
Equalizer pivot point	1218 MHz
Interstage attenuation	0/4/8/12 dB (Jumper)
Test point	-20 dB
Upstream	
Frequency range	5...65 MHz
High pass filter pluggable (optional)	15 MHz (WISI - XE04/0150)
Gain	28 dB ( $\pm 1$ dB)
Ripple	$\pm 0,75$ dB
Noise figure	$\leq 6,5$ dB
Output level	$> 114$ dB $\mu$ 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 $\Omega$
In/Output return loss	$\geq 18$ dB (-1,5dB/Okt. $> 10$ dB)
Supply voltage	180...265 V AC $\pm 10$ %
Power consumption	$< 20$ W
Ambient temperature	-20...+55 $^{\circ}$ C
Protection class	IP 67
EMC	EN50083-2
Surge protection RF Ports	2 kV (1,2/50 $\mu$ s pulse EN61000-4-5)
Dimensions W x H x D	232 x 145 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 <sup>3</sup>
Gross weight sales unit	kg
Shipping unit	pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	dm <sup>3</sup>
Gross weight shipping unit	kg
EAN	4010056752828
Article number	75282
Customs tariff number	85437030