Product information

WISI VX 57 B

Compact Line CATV Amplifier

KLASSE A CLASS

Description

The VX 57 B is a remote feeding universal line amplifier that has two active outputs (incl. 50/50 splitter) and additional slots for return channel amplifiers, control modules, diplex filter modules and splitter/tap modules. All settings can be accessed via an OH 41 handset or an Android app via Bluetooth.

At a glance:

- Compact 1 GHz/1,2 GHz high level CATV amplifier with two active high level outputs
- Remote powered
- All settings (gain, slope etc.) by WISI control unit (OH 41 Handset) or Android app via bluetooth
- Includes interface for NMS functionality: HMS or DOCSIS
- Management functionality according to EN 60728-14 available (ICS setting)
- Diplex filters and splitter / tap modules pluggable
- High level upstream amplifier pluggable
- ASLC module pluggable (VX 58B)
- Additional universal plug in modules

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WISI VX 57 B

Technical data	
Down-Stream / DS	
Frequency range downstream	85...1218 MHz (1 GHz/1,2 GHz equalizer switchable)
Gain downstream	2 x 44 dB (± 0,75 dB)
Frequency response	≤ ± 0,5 dB
Noise figure	<6,5 dB @ 1 GHz, <8,0 dB @ 1,2 GHz
Output level	115 dBµV (CENELEC 42 Ch. (CSO/CTB ≥ 60 dB), flat)
Output level	118 dBµV (CENELEC 42 Ch. (CSO/CTB ≥ 60 dB), 9 dB slope @ 862 MHz)
Output level	109 dBµV (all QAM (138 x 256 QAM), EN60728-3-1, flat)
Output level	111 dBµV (all QAM (138 x 256 QAM), EN60728-3-1, 12 dB slope @ 1218 MHz)
Input return loss	≥ 20 dB (-1,5 dB/Oct.)
Attenuator downstream	0...20 dB (0,1 dB step)
Interstage attenuator downstream	0...20 dB (1 dB step)
Equalizer downstream	0...15 dB (0,1 dB step)
Interstage equalizer downstream	0...15 dB (1 dB step)
RF test points	- 20 dB
Upstream (US)	
Frequency range upstream	5...204 MHz (65/ 85/ 117 MHz optional)
High pass filter switchable	12 MHz
Gain upstream	26 dB
Frequency response upstream	± 0,5 dB
Noise figure upstream	≤ 8,5 dB
Output level	115 dBµV (CLC/TS50083-3-3 (BER ≤1 E-8, MER ≥35 dB), 5...65 MHz (6 x 64 QAM))
Output level	110 dBµV (CLC/TS50083-3-3 (BER ≤1 E-8, MER ≥35 dB), 5...204 MHz (24 x 64 QAM))
NPR (>50 dB) EN60728-3	16 dBµV/Hz (max. Input level (60 MHz load), 22 dB dyn. range)
NPR (>50 dB) EN60728-3	12 dBµV/Hz (max. input level (200 MHz load), 19 dB dyn. range)
Return loss upstream (in / output)	≥ 20 dB (-1,5 dB/Oct.)
Attenuator upstream input	0...30 dB (1 dB-steps)
Attenuator upstream output	0...30 dB (1 dB-steps)
Equalizer range	0...15 dB (0,5 dB steps)
ICS, US	0/ -6/ < -45 dB
Upstream test point	-20 dB
RF injection point	-20 dB

Technical data	
General data	
RF connectors	PG11/F
Impedance	75 Ω
Supply voltage	27...65 V AC
Power consumption	38 W (ASLC module max. 2,5 W, Transponder max. 3,5 W)
Remote power current in and outputs	< 8 A
Surge protection power supply	2 kV (1,2/50 µs pulse EN61000-4-5)
Hum modulation @ 8A, f > 15 MHz	> 70 dB
Ambient temperature	-20...+65 °C
Protection class	IP67
EMC	EN 50083-2
Surge protection RF ports	6 kV (1,2/50 µs pulse EN61000-4-5)
Dimensions (width x height x depth)	260 x 215 x 100,4 mm
NMS / Handset / BT App Functionality	
Downstream	
Monitoring:	control level deviation, attenuator, equalizer, slope settings, pilot level state, pilot frequency, RF power level, 5V/24V supply voltage
Configuration:	input attenuator, interstage attenuator, input equalizer, interstage slope, attenuator output 1, ASLC adjustment, equalizer frequency 1/1,2 GHz
Alarms:	pilot level too high/low, control level deviation
Upstream	
Monitoring:	attenuator/slope setting, ICS switch position
Configuration:	input attenuator, output attenautor, slope, ICS, hp on/off

Packaging data	
Sales unit	1 pcs.
Dimensions (WxHxD) sales unit	340 x 283 x 155 mm
Packaging volume sales unit	dm³
Gross weight sales unit	3.355 kg
Shipping unit	1 pcs.
Dimensions (WxHxD) shipping unit	mm
Packaging volume shipping package	15 dm³
Gross weight shipping unit	3.655 kg
EAN	4010056738150
Article number	73815
Customs tariff number	85437030