

HFC amplifier Compact Line

VX 53 A

Universal line amplifier, remote supplied



The VX 53 A is a Universal line remote feeding amplifier that has 1 active output and slots for feeding channels. In addition, it has an incorporated VX 58 ASC module. All settings are adjusted via OH 41 or LMT (laptop).

| Technische Daten | |
|----------------------------------|--|
| Downstream | |
| Inputs | 1 pcs. |
| Input measurement socket | 20 dB |
| Input return loss | >20 dB |
| Frequency range downstream | 47/85...1006 MHz |
| Gain downstream | 41(37) dB (with VX 58 for control range ASLC) |
| Noise figure downstream | ≤6,5 dB |
| Attenuator downstream | 0...15 dB (0,1 dB-steps) |
| Equalizer downstream | 0...15 dB (0,1 dB-steps) |
| Interstage attenuator downstream | 0/5/10 dB |
| Interstage equalizer downstream | 0/6/9 dB |
| Output level 1 | 1x 111 dBμV (CENELEC 42 channels, flat, at CSO/CTB >60 dB) |
| Output level 2 | 1x 114 dBμV (CENELEC 42 channels, 6 dB slope, at CSO/CTB >60 dB) |
| Output test point | 20 dB |
| Output return loss | >20 dB |
| Output splitter | 1 pcs. (Output level -4 dB with output splitter) |
| Upstream | |
| Frequency range upstream | 5...30/65 MHz (depending on diplexers) |
| Gain upstream | 30 dB |
| Noise figure upstream | ≤7 dB |
| Attenuator upstream input | 0...30 dB (0,1 dB-steps) |
| Attenuator upstream output | 0...30 dB (0,1 dB-steps) |
| Equalizer US | 0...10 dB (0,5 dB steps) |
| Output level 4 | 116 dBμV |
| ICS, US | 0/-8/-45 dB |
| Upstream test point | 20 dB |
| Connectors | |
| PG11 | 4 pcs. |
| General data | |

| Technische Daten | |
|-------------------------------------|------------------------------------|
| Operating voltage AC | 27...65 V (50/60 Hz) |
| Power consumption | 23/21 W (with/without transponder) |
| Screening factor | Class A, EN 50083-2 |
| Dimensions (width x height x depth) | 261x215x100,4 mm |
| Operating temperature range | -20...+55 °C |
| Protection class | IP66 |
| Lightning protection | 6 kV at all inputs and outputs |

characteristics

- Active single output
- All settings with OH 41 A handset or LMT (laptop) when using a HMS-transponder
- Interface for NMS-function
- Diplex filters and splitter / tap modules pluggable
- Return channel amplifier pluggable
- ASC module VX 58