

HFC amplifier Compact Line

VX 54 A

Universal line amplifier, locally supplied



The VX 54 A is a Universal line location 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	33(29) 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	111 dBμV (CENELEC 42 channels, flat, at CSO/CTB >60 dB)
Output level 2	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 3	116 dBμV (EN 50083-5 US)
ICS, US	0/-8/-45 dB
Upstream test point	20 dB
Connectors	
PG11	4 pcs.
General data	
Operating voltage AC	180...265 V (50/60 Hz)

Technische Daten

Power consumption	22/20 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