


## House connection amplifiers *eco-power* with return path

Type	GHV 820	GHV 830
Order No.	940 019-061	940 021-061
		
Frequency range	selected: VHF I "on", RP "off" selected: VHF I "off", RP "on"	— / 40 ... 862 MHz 5 ... 65 / 85 ... 862 MHz
Gain forward	G @ 862 MHz Attenuator at input	21 dB 0 ... 20 dB
Gain return path	G @ 60 MHz via output 1	-1.5 dB
Amplitude response forward	40...862 MHz (VHF I: on) Fix slope Line equalizer at input	1.5 dB +1 dB 0 ... 18 dB
Amplitude response return path	5...60 MHz	1.5 dB
Random noise	forward (VHF I "on")	5.5 dB
Return loss	@ 40 MHz, -1,5 dB/octave	>14 dB
Output level forward	IMR2/ IMR3 ≥60 dB CSO/CTB ≥ 60dB, 42 ch, Slope 4 dB	100 / 113 dB $\mu$ V 97 / 100 dB $\mu$ V
RF connectors (75 $\Omega$ )	Input Output	F female F female
Operating conditions	max. RF level (EMC) Supply voltage Power consumption Operating temperature Protection class Degree of protection (IP) Weight Dimensions WxHxD	105 dB $\mu$ V 230 V $\pm$ 10% 3 W -25° ... +55°C II IP 20 0.64 kg 150x80x50 mm
Reference standards	Product standards Safety EMC RoHS 2002/95/EG compliant	EN 50083-3 Class 2 EN 50083-1; EN 60065 EN 50083-2 yes
Packing unit	Sales unit	1 pc. in cardboard box

### GHV 820/830

GHV 820 and GHV 830 are multimedia enabled house connection amplifiers for small to medium-sized building units. They are used to balance out the cable and distribution attenuation in the CATV domestic networks.

- **Simple migration of the return channel with ROB-"return channel options on board"**. Either "TV band I" or "return channel 65 MHz" can be selected.
- **Multi emitter transistor amplifier** on a 1-GHz platform with low energy consumption
- **Long life cycle** thanks to low temperature development due to low power consumption and the die cast housing with cooling units.
- **Spin potentiometers** for easy adjustment

