

House connection amplifiers *eco-power*

Type	GHV 20 E	GHV 30 E	GHV 24 E
Order No.	940 023-001	940 024-001	941 081-001



GHV 20 E and GHV 30 E

Small but powerful

The GHV 20 E and GHV 30 E are the perfect coaxial amplifiers for smaller buildings with no return channel utilization. These inexpensive amplifiers are suitable for digital TV and ideal for use in MATV and SMATV systems.

- Very efficient with extremely low power consumption
- 1 GHz amplifier technology
- Compact built-in transformer power supply unit with permanent screw-on housing. Shock protection even when the amplifier is opened
- Removable cover with main screw allows easy configuration
- Not accessible when closed, thus protected from tampering
- The die-cast basic housing reduces the component temperature to increase durability and reliability



GHV 24 E

Indoor building distribution amplifier with integrated 4-way tap-off

The GHV 24 E apartment amplifier has 4 outputs for direct, point-to-point distribution of analog and digital signals.

The ideal distribution amplifier without return channel utilization for

- Apartments
- Family homes
- Small apartment blocks
- Single floors in large apartment blocks

Special features:

- Amplification adjustable from 0 to 18 dB
- Outputs decoupling using directional coupler
- TV band I compatible
- 1 GHz amplifier technology
- High level output at low power consumption
- High-quality die-cast housing with integrated power supply unit

Advantages of the compact solutions:

No external tap-offs, therefore:

- Easy, attractive installation in residential buildings
- Increased reliability
- Cost advantages



Frequency range return/forward	— / 40 ... 862 (1000) MHz	— / 40 ... 862 (1000) MHz	— / 40 ... 862 (1000) MHz
Gain forward G @ 862 MHz G @ 862 MHz output 1 G @ 862 MHz output 2,3,4 Attenuator at input	21 dB 0 ... 20 dB	29 dB 0 ... 20 dB	16 dB 17 dB 0 ... 20 dB
Amplitude response forward 40...862 (1000) MHz Fix slope	1.5 (3) dB +1 dB	1.5 (3) dB +1 dB	1.5 dB +1 dB
Random noise Noise figure	4.5 dB	4.5 dB	4.5 dB
Return loss @ 40 MHz, -1,5 dB/octave	>14 dB	>14 dB	>14 dB
Output level forward IMR2/ IMR3 ≥60 dB CSO/CTB ≥60 dB, 42 ch, flat	100 / 113 dB _μ V 95 / 98 dB _μ V	105 / 113 dB _μ V 100 / 100 dB _μ V	92 / 103 dB _μ V 90 / 90 dB _μ V
RF connectors (75 Ω) Input Output Mutual isolation of the outputs	F female F female	F female F female	F female F female approx. 30 dB
Operating conditions max. RF level (EMC) Dimensions WxHxD Supply voltage Power consumption Operating temperature Protection class Degree of protection (IP) Weight	105 dB _μ V 150x80x50 mm 230 V ±10% 3 W -25° ... +55°C II IP 20 0.64 kg	105 dB _μ V 150x80x50 mm 230 V ±10% 5 W -25° ... +55°C II IP 20 0.64 kg	105 dB _μ V 150x80x50 mm 230 V ±10% 5 W -25° ... +55°C II IP 20 0.64 kg
Reference standards Safety Product standards EMC RoHS 2002/95/EG compliant	EN 50083-1; EN 60065 EN 50083-3 Cl.2 EN 50083-2 yes	EN 50083-1; EN 60065 EN 50083-3 Cl. 2 EN 50083-2 yes	EN 50083-1; EN 60065 EN 50083-3 Cl. 2 EN 50083-2 yes
Packing unit Sales unit	1 pc. in cardboard box	1 pc. in cardboard box	1 pc. in cardboard box