

House connection amplifier *midi-power* with return channel (passive/active)

Type

GHV 834 C

Order number

940 030-062



GHV 834 C

GHV 834 C is a multimedia-enabled house distribution amplifier for medium-sized building units. All important function units such as forward amplifier, duplex filters, return channel amplifier and the associated actuators are completely implemented on the PCB. Easy migration of the return channel "TV band I" or "return channel 65 MHz" can be selected, return channel switchable: "active" or "passive" adjustment of the return channel amplification by means of adjustable attenuators on the input and output

Structure

- Increased long-term stability thanks to discrete, switchable attenuators and equalisers (i.e. potentiometers are not used)
- Compact integrated transformer power supply with permanent screw-on plastic hood as shock protection
- Maximum output level 110 dB μ V
- Compatible with standards EN 60065, EN 50083-1, EN 50083-2, Class A, EN 50083-3, quality class 2,



Frequency range

Setting: VHF I "on", RC "off"	MHz	-/40...862
Setting: VHF I "off", RC "on"	MHz	5...65 / 87...862

Gain forward

@ 862 MHz	dB	34
Attenuator input (2 dB increments)	dB	0...16
Line equaliser (2.5 dB increments)	dB	0...16
Interstage pre-equalisation	dB	0/7

Gain return path

@ 60 MHz on output 1	dB	-1.5/26
Attenuator increments input	dB	0/3/6/9/50
Attenuator increments output	dB	0/10

Linearity amplitude frequency response

47...862 MHz	dB	1.5
Fix slope	dB	+2

Noise factor

Return loss	dB	6
@ 40 MHz, -1.5 dB/octave	dB	>14

Output level, IMA = 60 dB

IMA 2 in acc. with EN 50083-3	dB μ V	112
IMA 3 in acc. with EN 50083-5	dB μ V	118
CSO (42 chan. 862 MHz) Slope 0/7	dB μ V	104 / 106
CTB (42 chan. 862 MHz) Slope 0/7	dB μ V	103 / 105

HF connectors (75 Ω)

Input	F-socket
Output	F-socket

Operating conditions

Maximum output level (EMC)	dB μ V	110
Dimensions W x H x D	mm	150 x 80 x 50
Operating voltage	V	230 +6 / -10%
Power consumption	W	7.5
Operating temperature range	°C	-25 ... +55
Protection class		II
Protection class (IP)		IP 20
Weight	kg	0.68
RoHS 2002/95/EC conformant		yes