

Line/distribution amplifiers

Type	GLV 865	GLV 865 F
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Order No.	944 409-002	944 410-002
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Frequency range Basic unit without RP modules	47 ... 862 MHz	47 ... 862 MHz
Gain forward G @ 862 MHz Attenuator at input Attenuator elements interstage	36 dB 0 ... 20 dB 0/7 dB	36 dB 0 ... 20 dB 0/7 dB
Amplitude response forward 47...862 MHz Line equalizer at input Selectable equalizer pivot point Slope interstage	1.5 dB 0 ... 18 dB 862 / 606 MHz 0/7 dB	1.5 dB 0 ... 18 dB 862 / 606 MHz 0/7 dB
Random noise Noise figure	7 dB	7 dB
Return loss @ 40 MHz, -1,5 dB/octave	>14 dB	>14 dB
Output level forward IMR2/ IMR3 ≥60 dB CSO/CTB ≥60 dB, 42 ch, flat CSO/CTB ≥ 60dB, 42 ch, Slope 7 dB	117 / 124 dB μ V 113 / 112 dB μ V 114 / 114 dB μ V	117 / 124 dB μ V 113 / 112 dB μ V 114 / 114 dB μ V
RF connectors (75 Ω) Input Output Test point input: bi-directional Test point output: directional	PG 11 PG 11 -20 dB -20 dB	PG 11 PG 11 -20 dB -20 dB
Operating conditions Max. RF level (EMC) Supply voltage Max. throughpass current Power consumption Operating temperature Protection class Degree of protection (IP) Weight	113 dB μ V 195 ... 244 V - 13 W -40° ... +55°C II IP 65 2.0 kg	113 dB μ V 32 ? 65 V 2 A 14 W -40° ... +55°C II IP 65 2.0 kg
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	EN 50083-3 Class 2 EN 50083-1; EN 60065 EN 50083-2 yes
Packing unit Sales unit	1 pc. in cardboard box	1 pc. in cardboard box

GLV 865/865 F

Compact line and distribution amplifier for MATV/CATV distribution networks

- Power doubler output stage
- HF screw connectors (PG11)
- Die-cast housing, protection type IP 65
- Two basic amplifications selectable with internal jumpers (interstage)
- Equalization with internal jumpers, switchable to 606 MHz or 862 MHz
- Return channel (together with plug-in modules)
 - Passive with diplex module
 - Active with return channel module
- With diplex modules configurable return channel and forward channel
 - 5-30 MHz / 47-862 MHz
 - 5-65 MHz / 85-862 MHz

Note

- GRM diplex and return channel module are behind the line / distribution amplifiers chapter

Remotely supplied version GLV 865 F

- Selectable remote feed route:
 - Via input
 - Via output
 - Feed through