

Compact Line and Distribution Amplifier with Autom. Gain Control

Type	GLV 865 AGC	GLV 865 F AGC
Order No.	944 786-002	944 799-002



GLV 865 AGC/865 F AGC

Compact line amplifier
for MATV/CATV distribution networks

- HF screw connectors (PG 11)
- Die-cast housing, protection type IP 65
- 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 modules are behind the line / distribution amplifiers

Remotely supplied version GLV 865 F AGC

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

Frequency range		
Basic unit without RP modules	47 ... 862 MHz	47 ... 3862 MHz
Gain forward		
G @ 862 MHz	28 dB	28 dB
Attenuator at input	0 ... 20 dB	0 ... 20 dB
Automatic gain control (AGC)		
Level controlled by the summarized output signals at frequency range	47 ... 320 MHz	47 ... 320 MHz
Adjustable output level range	95 ... 105 dB μ V	95 ... 105 dB μ V
AGC range	\pm 5 dB	\pm 5 dB
Amplitude response forward		
47...862 MHz	1.5 dB	1.5 dB
Line equalizer at input	0 ... 18 dB	0 ... 18 dB
Selectable equalizer pivot point	862 / 606 MHz	862 / 606 MHz
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 \geq 60 dB	117 / 124 dB μ V	117 / 124 dB μ V
CSO/CTB \geq 60 dB, 42 ch, flat	113 / 112 dB μ V	113 / 112 dB μ V
RF connectors (75 Ω)		
Input	PG 11	PG 11
Output	PG 11	PG 11
Test point input: bi-directional	-20 dB	-20 dB
Test point output: directional	-20 dB	-20 dB
Operating conditions		
max. RF level (EMC)	113 dB μ V	113 dB μ V
Supply voltage	195 ... 244 V	32 ... 65 V
Max. throughpass current	-	2 A
Power consumption	13 W	14 W
Operating temperature	-40° ... +55°C	-40° ... +55°C
Protection class	II	II
Degree of protection (IP)	IP 65	IP 65
Weight	2.0 kg	2.0 kg
Reference standards		
Product standards	EN 50083-3 Class 2	EN 50083-3 Class 2
Safety	EN 50083-1; EN 60065	EN 50083-1; EN 60065
EMC	EN 50083-2	EN 50083-2
RoHS 2002/95/EG compliant	yes	yes
Packing unit		
Sales unit	1 pc. in cardboard box	1 pc. in cardboard box