TRIAX

connecting the future

TRIAX® Distribution Amplifiers

85 or 204MHz upstream for DOCSIS 3.1 operation

The best for DOCSIS

Our new GHV series of multimedia coaxial amplifiers is the range you can rely on when upgrading small- to medium-sized CATV networks to DOCSIS 3.1.

A sleek, compact form factor encloses the fully-integrated circuit board, containing all functional elements such as pre-amplifier, diplex filters, return channel amplifier and their operating and setting components.

This allows complete provisioning based on operational requirements, without the need for additional plug-in modules or pads.

Your benefits

- Brand new 1.2 GHz MMIC technology for high output level
- Readable setting of attenuation and equalisation in 1dB steps, using reliable rotary switches and jumpers
- Versions for 85 or 204 MHz return path available
- Return path can be set to: “active”, “passive” or “off”
- Return path gain can be switched down by 6dB without decreasing transmission performance
- All connectors are reliable, hand mounted F-connectors
- Bi-directional test ports for input, uni-directional test ports for output signals
- Efficient, low-consumption power supply
- Extensive ESD- and surge protection

DVB-C Cable | HD TV | EASY | ECO | EASY mounting | Warranty 2 Years

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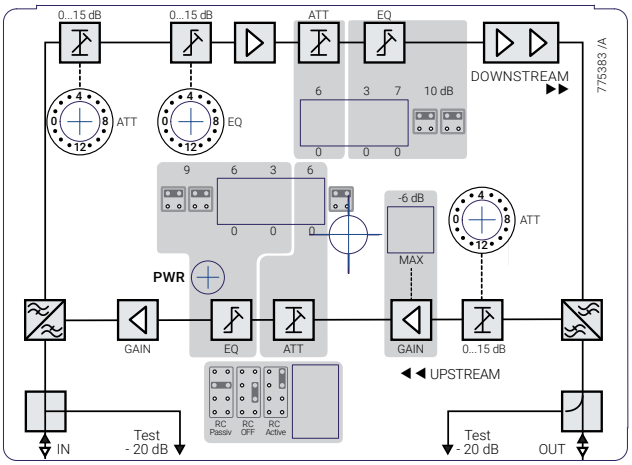

Type: Art. no.		GHV 1230 - 85 323303	GHV 1230 - 204 323313	GHV 1240 - 85 323305	GHV 1240 - 204 323315
Forward path (downstream)					
Frequency Range	MHz	103...1218	258...1218	103...1218	258...1218
Max. Output level CENELEC raster, Slope 0/7 dB *	dBµV	103 / 105	103 / 105	107 / 109	107 / 109
Max. Output level full digital load, Slope 0/7dB **	dBµV	98 / 99	98 / 99	102 / 104	103 / 105
Gain	dB	32	32	40	40
Attenuation, Interstage, Jumper	dB	0 / 6			
Attenuation, Input Rotary switch	dB	0...15 (1dB-Steps)			
Slope, Interstage, Jumper	dB	0 / 3 / 7 / 10			
Slope, Input Rotary switch	dB	0...15 (1dB-Steps)			
Noise Figure	dB	< 7			
Return path (upstream)					
Frequency Range	MHz	5...85	5...204	5...85	5...204
Max. Output level @5 -85: 9 ch. 5-204: 24 ch, BER 1*10exp-9	dBµV	107	104	109	107
Upstream load (KDG 1TS 140)		Class D	Class D	Class D	Class D
Gain (switchable: max / max -6dB***)	dB	26 / 20	26 / 20	32	32
Attenuation, Interstage, Jumper	dB	0 / 6			
Attenuation, Input Rotary switch	dB	0...15 (1dB-Steps)			
Slope, Interstage, Jumper	dB	0 / 3 / 6 / 9			
Noise Figure	dB	5			
General					
Linearity	dB	± 1			
Return loss (@40MHz, -1.5dB/Octave)	dB	>18			
Test connector (75Ω) Input/output/test		F-female / -20dB (Bi- / Uni-directional)			
Operating conditions					
Diameters W x H x D	mm	169 x 76 x 65			
Input supply voltage	V~/Hz	190—264 / 50...60			
Power Consumption (typ.)	W	7.4	7.4	11.0	11.0
ESD / Surge protection / Safey / protection	kV	10 / 1 / Class II / IP 20			
Operating temperature	°C	-25...+55			
Weight	g	750			

*) CTB/CSO 60dBc @ 41ch 103...862MHz; 31ch 256...862MHz:.
**) RP@103...1218MHz 138x256QAM, 256...1218MHz :119x256QAM
***) Switching of gain in first stage by using a jumper

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