

Building amplifier



ISO 9001 CERTIFICATE

WHX-x29

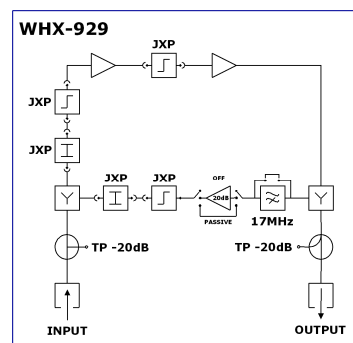
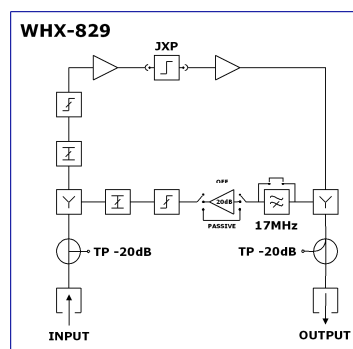


- Output stage amplifier based on GaAs hybrid circuit with Power Doubler configuration
- High output level
- 1 GHz bandwidth
- Easy adjustment
- Switchable return path: passive / off / active.
- Line overvoltage protection
- Local or remote power supply.
- Robust, die-casting aluminum housing.

The **WHX-829** and **WHX-929** amplifiers have been designed for professional multimedia CATV networks which make an intensive use of the return path transmission. GaAs hybrid circuit applied in **WHX-x29** guarantees high quality of signal parameters – high output level with very low inter-modulation distortions. GaAs technology enables reduction of power consumption which has an influence on CATV network maintenance costs. .

WHX amplifier is available in two versions: **WHX-829** with RF adjustment done by built-in potentiometers and **WHX-929** with RF adjustment done by JXP modules.

Block diagram of WHX-x29 amplifiers



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TECHNICAL SPECIFICATION

Forward path		WHX-829		WHX-929	
Frequency range	MHz	Version R: 47...1000 Version M: 87...1000			
Gain	dB	38			
Gain characteristics flatness	dB	± 1,0			
Max. output level – DIN 45004B	dBuV	129			
Max. output level CENELEC (42 channels) interstage equalization 9 dB - CTB ≤ 60dBc - CSO ≤ 60dBc	dBuV dBuV	114 114			
Input attenuator	dB	adjustable 0...20		plug-in 0...20	
Input equalizer	dB	adjustable 0...20		plug-in 0...20	
Inter-stage equalizer	dB	plug-in 0...12			
Input, Output Test Point	dB	-20			
Noise factor	dB	< 7,5			
Return loss at all Inputs / Outputs: - In the frequency range of 5...40 MHz - In the frequency range of 40...1000 MHz	dB dB	18 18 @ 40MHz – 1,5 / oct.			
Return path					
Frequency range	MHz	Version R: 5...30 Version M: 5...65			
Operating mode	/	Configuration 1: Passive path Configuration 2: OFF (-50dB) – path disconnected, matching maintained Configuration 3: Active path, gain 20dB			
Gain	dB	-2,5 or 20			
Gain characteristics flatness	dB	± 1			
Max. output level - DIN 45004B	dBuV	115			
Output attenuator	dB	adjustable 0...20		plug-in JXP 0...20	
Output corrector	dB	adjustable 0...10		plug-in JXP 0...10	
Noise factor	dB	< 6			
Others					
Operating voltage - Local	V AC / Hz	195...253 / 50...60			
Operating voltage - Remote	V AC / Hz	24...65 / 50...60			
Current consumption for supply voltage 28V / 65V AC (active return path)	A	0,66/0,3			
Power consumption	W	<13,0			
Input connector “standard”		F			
Protection class	/	IP64			
Operational temperature range	°C	-20...+ 60			
Weight	kg	1,0			
Dimension (W x H x D)	mm	100 x 135 x 60			

Technical parameters may be changed without earlier notice

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