

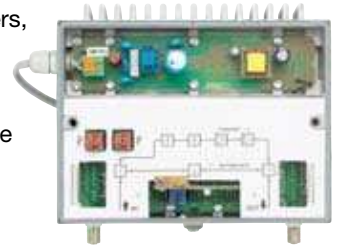
# Triax distribution amplifiers



HFA 60x amplifier

## Powerful, reliable and easy to install HFA distribution amplifiers

With the HFA series of broadband distribution amplifiers, both the installer and the network operator obtain all the benefits of a quality product: Reliability and a long lifetime, quick installation, effective shielding and the option to use the network for all conceivable interactive services.



## Technical data on HFA distribution amplifier - mains powered

TYPE Part No.		HFA 602 324602	HFA 603 324603	HFA 604 324604
<b>Forward path</b>				
Frequency range (depending on module)	MHz	47/73/87-862	47/73/87-862	47/73/87-862
Gain adjustable	dB	22	30	40
Attenuation	dB	0 - 20	0 - 20	0 - 20
Noise figure	dB	< 8.5 (typical 7.5)	< 7.5 (typical 6.5)	< 7.0 (typical 6.0)
Linearity	dB	± 1.0	± 1.0	± 1.0
Equalization	dB	0 - 18	0 - 18	0 - 18
Output level				
60 dB 3 order (DIN 45004B)	dBμV	118	118	118
60 dB 2 order (DIN 45004A1)	dBμV	112	112	112
60 dB CTB <sup>1)</sup>	dBμV	101	101	101
60 dB CSO <sup>1)</sup>	dBμV	101	101	101
Return loss input (-1.5 dB/octave)	dB	>14 @ 40 MHz (min. 10)	>14 @ 40 MHz (min. 10)	>14 @ 40 MHz (min. 10)
Return loss output (-1.5 dB/octave)	dB	>14 @ 40 MHz (min. 10)	>14 @ 40 MHz (min. 10)	>14 @ 40 MHz (min. 10)
<b>Return path</b>				
Frequency range (depending on module)	MHz	5-30, 5-55 or 5-65	5-30, 5-55 or 5-65	5-30, 5-55 or 5-65
Gain (adjustable)	dB	passive -1.0 active 17.0	passive -1.0 active 17.0	passive -1.0 active 17.0
Linearity	dB	± 1.0	± 1.0	± 1.0
Return loss input (-1.5 dB/octave)	dB	> 14 @ 5 MHz to 65 MHz	> 14 @ 5 MHz to 65 MHz	> 14 @ 5 MHz to 65 MHz
Return loss output (-1.5 dB/octave)	dB	> 14 @ 5 MHz to 65 MHz	> 14 @ 5 MHz to 65 MHz	> 14 @ 5 MHz to 65 MHz
<b>General</b>				
Power supply type		Mains powered	Mains powered	Mains powered
Power supply	V/AC	230 ± 10%	230 ± 10%	230 ± 10%
Power consumption	W	7.5	7.5	7.5
Shielding efficiency VHF	dB	100	100	100
Shielding efficiency UHF	dB	90	90	90
Housing - protection class		IP65	IP65	IP65
Connectors		F-connectors	F-connectors	F-connectors
Certification		CE	CE	CE
Impedance	Ohm	75	75	75
Operation temperature range	°C	0...+55	0...+55	0...+55
Weight	kg	1.325	1.325	1.325
Dimensions (h x d x w)	mm	145 x 70 x 170	145 x 70 x 170	145 x 70 x 170

1) DIN/EN 50083 Part 3 CTBA (Composite triple beat ratio) @ 60 dB IMD, CENELEC-raster 42 channels