



# House amplifiers Medium power amplifiers

**CABRIOLINE**

- built-in adjustable gain & slope regulators
- die-cast housing inside plastic case
- interstage switchable forward path gain allowing to reduce gain without affect noise figure of the amplifier (HA024, HA024R30, HA024R65)



**Technical specifications**

T Y P E	HA024	HA024R30	HA024R65	HA130	HA130R30	HA130R65
Ordering number	02520	02521	02522	02527	02528	02529
<b>Forward path</b>						
Frequency range	47- 862 MHz		87- 862 MHz	47- 862 MHz		87- 862 MHz
Gain*	18-20/27-30 dB (fixed slope pre-correction), switchable			32 dB		
Gain adjustment	17 dB			15 dB by 1 dB step		
Slope adjustment	17 dB			15 dB by 1 dB step		
Flatness*	±0.5 dB	±0.75 dB		±0.5 dB	±0.75 dB	
Input and output return loss	> 14 dB at 40 MHz; -1.5 dB/oct., but not less 10 dB					
Output level CTB, CSO (EN50083-3)	97 dBμV			100 dBμV		
Test point	- 30 dB bi-directional					
Noise figure	8.5 dB			< 6.5 dB		
<b>Return path</b>						
Frequency range	-	5 - 30 MHz	5-65 MHz	-	5 - 30 MHz	5-65 MHz
Gain	-	-1.5 dB	-2.5 dB	-	-3 dB	-3.5 dB
Return loss	-	> 14 dB		-	> 14 dB	
<b>General</b>						
Power consumption	230 V~ 50 Hz 3.5 W			230 V~ 50 Hz 4.5 W		
Operating temperature range	-20° ÷ +50° C					
Dimensions/Weight (packed)	133x63x39 mm/0.36 kg					

\* for amplifier with return path measured 10 MHz after the starting frequency of forward path

