



# House amplifiers Medium power amplifiers

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

**CABRIOLINE**



**HA129**

without return path

**HA129R30, HA129R65**

active return path 30 MHz and 65 MHz

**Technical specifications**

T Y P E	HA129	HA129R30	HA129R65
Ordering number	10589	10590	10591
<b>Forward path</b>			
Frequency range	47- 862 MHz		87- 862 MHz
Gain, switchable*	24-27/32-36 dB (fixed slope pre-correction)		
Gain adjustment	17 dB		
Slope adjustment	17 dB		
Flatness*	±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)	100 dBμV		
Test point	- 30 dB bi-directional		
Noise figure	8.5 dB		
<b>Return path</b>			
Frequency range	-	5 - 30 MHz	5-65 MHz
Gain	-	18-21 dB (fixed slope pre-correction)	
Gain adjustment	-	15 dB	
Flatness	-	±0.75 dB	
Return loss	-	> 14 dB	
Noise figure	-	6 dB	
Maximal output level IMD3=60 dB (DIN45004B)	-	114 dBμV	
<b>General</b>			
Power consumption	230 V~ 50/60 Hz 2.5 W		230 V~ 50/60 Hz 4 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

