



House amplifiers

Medium power amplifiers

- push-pull output stage
- built-in adjustable gain & slope regulators
- metal-plastic housing for indoor mounting
- output test point and screw terminal for equipotential bonding

HA123

medium gain - 28 dB

HA123R30, HA123R65

the same like HA123 just with passive return path 30 MHz and 65 MHz

HA126

high gain - 34 dB

HA126R30, HA126R65

the same like HA126 just with passive return path 30 MHz and 65 MHz



Technical specifications

T Y P E		HA123	HA123R30	HA123R65	HA126	HA126R30	HA126R65
Ordering number		01559	01566	01597	10539	10540	10541
Frequency range	forward path	47- 862 MHz		87- 862 MHz	47- 862 MHz		87- 862 MHz
	return path	-	5-30 MHz	5-65 MHz	-	5-30 MHz	5-65 MHz
Gain		28 dB			34 dB		
Frequency response		± 0.5 dB	± 0.7 dB		± 0.5 dB	± 0.7 dB	
Gain adjustment		20 dB					
Slope adjustment, typical		18 dB					
Maximal output level IMD3=60 dB (DIN45004B)		117 dBµV					
Maximal output level IMD3=60 dB (EN50083-3)		111 dBµV					
Maximal output level IMD2=60 dB (EN50083-3)		112 dBµV					
Input and output return loss*		> 14 dB					
Noise figure		< 6 dB					
Test point attenuation		- 30 dB					
Power consumption		230 V/50 Hz/6 VA					
Operating temperature range		-20° + 50°C					
Dimensions/Weight (packed)		107x148x53 mm/0.6 kg					

High power amplifiers

- GaAs push-pull output stage (other common features see above)

HA203

local powered

HA203R30, HA203R65

the same like HA203 just with passive return path 30 MHz and 65 MHz

HD203

remote powered; switchable AC pass to output connector

HD203R30, HD203R65

the same like HD203 just with passive return path 30 MHz and 65 MHz



Technical specifications

T Y P E		HA203	HA203R30	HA203R65	HD203	HD203R30	HD203R65
Ordering number		01574	01575	01579	01583	01584	01587
Frequency range	forward path	47- 862 MHz		87- 862 MHz	47- 862 MHz		87- 862 MHz
	return path	-	5-30 MHz	5-65 MHz	-	5-30 MHz	5-65 MHz
Gain		34 dB					
Frequency response		± 0.5 dB	± 0.7 dB		± 0.5 dB	± 0.7 dB	
Gain adjustment		20 dB					
Slope adjustment, typical		18 dB					
Maximal output level IMD3 = 60 dB (DIN45004B)		120 dBµV					
Maximal output level IMD3 = 60 dB (EN50083-3)		114 dBµV					
Maximal output level IMD2 = 60 dB (EN50083-3)		117 dBµV					
Input and output return loss*		> 14 dB					
Noise figure		< 7 dB					
Test point attenuation		- 30 dB					
Power consumption		230 V/50 Hz/11 VA			24-65 V/50 Hz/5 VA		
AC pass current (switchable)		-			0.8 A max.		
Operating temperature range		-20° + 50° C					
Dimensions/Weight (packed)		243x120x53 mm/0.98 kg			243x120x53 mm/0.7 kg		

* when f ≥ 40 MHz, return loss ≥ 14 dB (40 MHz) - 1.5 dB/octave