



House amplifiers Medium power amplifiers

- 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

passive return path 30 MHz and 65 MHz

HA126

high gain - 34 dB

HA126R30, HA126R65

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 | | |
| Flatness* | | ± 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 dB μ V | | | | | |
| Output level CTB, CSO (EN50083-3) | | 101 dB μ V | | | | | |
| Input and output return loss** | | > 14 dB | | | | | |
| Noise figure | | 6 dB | | | 7 dB | | |
| Test point attenuation | | - 30 dB | | | | | |
| Power consumption | | 230 V~ 50 Hz 5 W | | | | | |
| Operating temperature range | | -20° ÷ +50° C | | | | | |
| Dimensions/Weight (packed) | | 107x148x53 mm/0.6 kg | | | | | |

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

** when $f \geq 40$ MHz, return loss ≥ 14 dB (40 MHz) - 1.5 dB/octave, but not less 10 dB