



House amplifiers with changeable plug-in modules

Medium power amplifiers

- flexibility provided by changeable plug-in modules: return path passive pd 02-xx or active pr 02-xx
- change of plug-ins without demounting the amplifier by easily removing the cover
- supplied with plug-in links
- 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

HA113U
local powered

HD113U
remote powered; switchable AC pass to output connector



Technical specifications		HA113U	HD113U
TYPE		HA113U	HD113U
Ordering number		01585	01586
Frequency range	forward path*	47/75/87- 862 MHz	
	return path*	5-30/55/65 MHz	
Gain	forward path	34 dB	
	return path with pd 02-xx/pr 02-xx	-1.5 /20 dB	
Flatness**		± 0.5 dB	
Gain adjustment		20 dB	
Slope adjustment, typical		18 dB	
Output level CTB, CSO (EN50083-3)		101 dBμV	
Input and output return loss***		> 14 dB	
Noise figure		< 6 dB	
Test point attenuation		- 30 dB	
Power consumption	mains powering	230 V~ 50 Hz 6 W	-
	remote powering	-	24-65 V~ 50 Hz 3.5 W
AC pass current, switchable		-	0.4 A max.
Operating temperature range		-20° ÷ +50° C	
Dimensions/Weight (packed)		107x148x53 mm/0.66 kg	107x148x53 mm/0.43 kg

* depends on return path modules: passive pd 02-xx or active pr 02-xx (return path modules should be ordered separately)

** for amplifiers with return path - ± 0.7 dB

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

