



Multiband amplifiers

Programmable multiband amplifier

- for combining and balancing of the signals from up to 3 TV antennas
- separate FM input
- programmable 20 digital filters
- AGC in each filter
- SAW trap filters for 5G LTE protection
- switchable DC feeding for preamplifiers with protection of DC overload
- status LED indication
- programming from Android smartphone* or Windows PC
- die-cast housing
- connectors:
RF output & DC IN, output test point - type F
DC IN - 3.5/1.3 mm DC jack



Technical specifications

T Y P E		PA420T
Ordering number		00504
RF inputs		
Frequency range	FM	87-108 MHz
	2xVHFIII/UHF UHF	174-240 MHz / 470-694 MHz 470-694 MHz
RF input level	FM	69-89 dB μ V
	VHF/UHF	50-100 dB μ V
Gain	FM	29 dB
	VHF/UHF	63 dB max.
Noise figure		7 dB
AGC	VHF/UHF	46 dB in each filter
Slope adjustment	FM	-
	VHFIII/DAB/UHF pr.	5 dB
Selectivity	VHF/UHF ± 1 MHz	> 30 dB
	FM ± 20 MHz	> 20 dB
LTE		5G
Number of channels pr.		20 max.
Number of filters		20 max.
RF output		
Output level	FM	106 dB μ V max.
	VHF/UHF	113 dB μ V max. (6 MUX)
RF output adjustment pr.	FM	0 \div -20 dB
	VHF/UHF common	0 \div -20 dB
	VHF/UHF each channel	± 3 dB
RF test		30 dB
Powering		
DC feeding for external	VHFIII/UHF1 pr.	12 V 100 mA per input, OFF/ON
	VHFIII/UHF2 pr.	
Power consumption		230 V~ 50/60 Hz 6 W**
General		
Return loss		> 10 dB
Operating temperature		-20 $^{\circ}$ C \div +50 $^{\circ}$ C
Dimensions/Weight (packed)		192x147x55 mm/0.66 kg

* programming from Android device via OTG cable, this cable is sold separately

** without external DC load, with maximal external DC load - 9 W

pr. software control