

Multichannel headend VHF TV channel amplifier

- VHF TV channel amplifiers tunable in VHFIII range
- SAW filters provide a high selectivity processing of digital and analog channels
- each section has a built-in AGC system and an independent regulator of output level
- built-in indicators and push buttons allow operatively to set required parameters
- DC feeding for preamplifiers through RF input
- DIN rail or wall mounting
- robust die-cast housing
- connectors:
4xRF - type F
screw terminal block for DC entry
power distribution bus



Technical specifications		TYPE		at422
Ordering number				02564
Sections				2
Tuning range of channels				174-230 MHz
RF input	TV standard	pr.	analog (Au, B)	digital (DVB-T*)
	channel bandwidth		7 MHz	
	level/impedance		60-85 dB μ V/75 Ω	50-80 dB μ V/75 Ω
	frequency range of RF distribution		47-862 MHz	
	loop through gain		0 \pm 1.5 dB	
RF output	return loss		>10 dB	
	level/impedance, typical		90 dB μ V/75 Ω	85 dB μ V/75 Ω
	MER of DVB-T signal		-	\geq 36 dB (input signal MER 38 dB)
	frequency range of RF combining		47-2150 MHz	
	DC pass through		0.3 A	
	combining through loss Terr/SAT		1.5/2.5 dB	
	level adjustment range	pr.	0 \div -10 dB by 1 dB step	
return loss		\geq 10 dB		
Noise figure			8 dB	
Selectivity, typical		pr.	40 dB, \pm 1.25 MHz from 7 MHz bandwidth border	40 dB, \pm 2 MHz from 7 MHz bandwidth border
Offset**			\pm 1 MHz by 0.125 MHz step	
Spurious signals level			\leq -60 dBc	
Mirror channel selectivity			\geq 60 dB	
Flatness of channel bandwidth, typical			\pm 1.5 dB	
DC feeding for external		pr.	12 V 0.1 A max.	
Current consumption***			12 V 0.45 A	
Operating temperature range			0 $^{\circ}$ \div +50 $^{\circ}$ C	
Dimensions/Weight (packed)			36x198x107.5 mm/0.9 kg	

pr. software control

* 6-12 channels by Au standard, E5-E12 channels by B standard

** the offset is used for fine tuning of the channel frequency response

*** without external DC loading