TERRA

Multichannel headend
VHF TV channel amplifier

- 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 dBμV/75 Ω	50-80 dBμV/75 Ω
	frequency range of RF distribution		47-862 MHz	
	loop through gain		0 ± 1.5 dB	
	return loss		>10 dB	
RF output	level/impedance, typical		90 dBμV/75 Ω	85 dBμV/75 Ω
	MER of DVB-T signal		-	≥ 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 ÷ -10 dB by 1 dB step	
	return loss		≥10 dB	
Noise figure			8 dB	
Selectivity, typical		pr.	40 dB, ±1.25 MHz from 7 MHz bandwidth border	40 dB, ±2 MHz from 7 MHz bandwidth border
Offset**			±1 MHz by 0.125 MHz step	
Spurious signals level			≤ -60 dBc	
Mirror channel selectivity			≥ 60 dB	
Flatness of channel bandwidth, typical			± 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°÷ +50°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