



Multichannel headend

Twin TV channel amplifier

- twin TV channel amplifier tunable in all UHF 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
- output signal level indication allows to make quick installation
- built-in indicators and push buttons allow operatively to set required parameters
- DIN rail or wall mounting
- DC feeding for preamplifiers through RF input
- robust die-cast housing
- connectors:
4xRF - type F
screw terminal block for DC entry



Technical specifications		TYPE		at420
Ordering number		02558		
Sections		2		
Tuning range of channels		470-862 MHz (21-69 ch.)		
RF input	TV standard	pr.	analog	digital
	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		>12 dB	
RF output	level/ impedance, typical		85 dBμV/75 Ω	80 dBμV/75 Ω
	MER of DTT signal		-	≥ 36 dB (with input 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 (referring to PAL B/G standard), typical			40 dB, ±1.25 MHz from channel border	-
Selectivity, typical			-	40 dB, ±2 MHz from channel border
Spurious signals level			≤ -55 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)			198x107.5x36 mm/0.9 kg	

* without external DC loading

pr. software control