

# Quad Single-Channel Amplifier, AGC plus SAW Filter In and Out 14MM-AT440

## Features and Benefits

- » TV channel amplifiers tunable in UHF range
- » SAW filters provide a high selectivity processing of digital and analog channels
- » Integrated LTE signal suppression filter
- » 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



## Headend Equipment

Matchmaster has a full range of Headend equipment from entry level to complex systems, including engineering support and system designs. Matchmaster can offer simple Channel Filters with AGC through to complex DVB modules for any type of broadcast including Encoders, Modulators & Transmodulators for DVB-T, DVB-C, DVB-S/S2, IP, ASI, SDI, FM and many more.



## 14MM-AT440 Specifications

Turning Range of Channels		470-790MHz
RF Input	TV Standard	DVB-T*
	Channel Bandwidth	8MHz
	Level/Impedance	50-75dBµV/75 Ohm
	Frequency Range of RF Distribution	47-790MHz
	Loop Through Gain	0 ± 1.5dB
	Return Loss	>10dB
RF Output	Level/Impedance Typical	82dBµV/75 Ohm
	MER of DVB-T Signal	≥36dB (input signal MER 38dB)
	Frequency Range of RF Combining	47-2150MHz
	DC Pass Through	0.3A
	Combining Through Loss Terr/SAT	1.5/2.5dB
	Level Adjustment Range****	0 + -10dB by 1 dB step
	Return Loss	≥10dB
Noise Figure	8dB	
Selectivity, typical	40dB ±2MHz from 8 MHz Bandwidth Border	
Offset**	±0.25 MHz by 0.125MHz step	
Spurious Signals Level	≤-55dBc	
Mirror Channel Selectivity	≥ 60dB	
Flatness of Channel Bandwidth	±1.5dB	
DC Feeding for External****	12V 0.1A max	
Current Consumption***	12V 0.75A	
Operating Temperature Range	0-50°C	
Dimensions	198 x 107.5 x 48.5mm	