

Code: AWS-144M

## ANTENNA AMPLIFIER **AWS-144M** AMS

The AWS-144M is used to TV signal distribution in home antennas installations.

The amplifier has an automatic system that allows to power additional amplifiers through the INPUT. The maximum current that can be consumed by an additional amplifier is 60 mA. The voltage will be turned off if there is no amplifier in the antenna or there is a short circuit for the DC component in the installation (the AUTO DC indicator will turn off).

The amplifier also has a gain controller that allows to set the optimal signal level in the antenna installation. The regulation works while maintaining the slope of the amplifier's characteristic (compensation of the cable attenuation).

Amplifier can be powered directly from included power adapter or via output with using a separator.



Frequency range:	87 MHz ... 694 MHz
Number of inputs/outputs:	1 / 4
Input/output impedance:	75 $\Omega$
Connectors type:	"F"
Gain :	14 / 17 dB $\pm$ 1.5 dB
Gain adjustment:	0 ... 10 dB $\pm$ 2 dB
S/N ratio:	$\leq$ 4 dB
Maximum output level:	100 dB $\mu$ V (2kTV)
IMA3 60dB:	94 dB $\mu$ V
IMA2 60dB:	81 dB $\mu$ V
Return loss:	$\geq$ 10 dB
Pre-amplifiers powering:	✓
Main features:	<ul style="list-style-type: none"> <li>Built-in pass-through filter 87 ... 694 MHz</li> <li>Built-in LTE filter</li> </ul>
Operation temp:	-25 $^{\circ}$ C ... 55 $^{\circ}$ C
Power supply:	12 V DC / 150 mA (power adapter included)
Weight:	0.09 kg
Dimensions:	111 x 64 x 28 mm



# DATA SHEET

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Manufacturer / Brand:	AMS
Guarantee:	<b>3 years</b>

