



# High power multiband amplifiers Up to 5 inputs amplifiers

- splitband FM+VHF and UHF amplifiers
- gain level control with interstage amplifiers and attenuators
- protection and indication of DC overload
- switchable +12 V DC feeding for preamplifiers through all inputs\*
- built-in test point
- die-cast housing



**Technical specifications**

T Y P E		MA201	MA202	MA203
<b>Ordering number</b>		10500	10501	10502
<b>Gain</b>	FM (88-108 MHz)	30 dB	30 dB	40 dB
	VHF I (47-68 MHz)	30 dB	40 dB	40 dB
	VHF III (174-260 MHz)	40 dB	40 dB	40 dB
	UHF (470-862 MHz)	47 dB	2x47 dB	3x47 dB
	UHF V (614-862 MHz)	47 dB	-	-
	UHF IV (470-590 MHz)	47 dB	-	-
<b>Number of inputs</b>		5	5	5
<b>Noise figure, typical</b>		< 5 dB (VHF); < 4 dB (UHF)		
<b>Maximal output level IMD3=60 dB (DIN45004B)</b>		118 dB $\mu$ V (VHF); 121 dB $\mu$ V (UHF)		
<b>Gain control</b>	attenuator	0 $\pm$ -20 dB		
	switch	0/-10 dB		
<b>Return loss</b>		> 10 dB		
<b>External DC feeding</b>		12 V 0.1 A max.		
<b>Power consumption**</b>		230 V ~ 50 Hz 9.5 W		
<b>Operating temperature range</b>		-20 $^{\circ}$ $\pm$ +50 $^{\circ}$ C		
<b>Dimensions/Weight (packed)</b>		265x175x60 mm/1.1 kg		

\* version with 24 V feeding for preamplifiers under special request

\*\* with external DC loading