

# Mast equipment

## Mast amplifiers

### MAP 12 Volt Series

MAP amplifiers to mix and amplify signals from one or more aerials.  
 Power requirement 12V, one mixed output.  
 Compatible with DTT signals in COFDM modulation.  
 Adjustable plastic strap for mast mounting Ø 60mm max.  
 Operating temperature: -10 to 55°C.

- Totally shielded in a metal case and "F" type connectors
- The innovative plastic housing system locks the cover in place.  
 The amplifier can be tilted inside to enable quick and easy installation.



Item	Code	Inputs	Input band	Gain dB	Output level* dBµV	Gain adj. dB	Noise figure dB	Power consump. mA@12VDC	Pack. Pcs
MAP108	223112	1	I+III	25	108	15	5	65	10
MAP107	223110	1	IV	24	108	15	5	60	10
MAP104	223111	1	V	25	108	15	5	60	10
MAP105	223120	1	UHF	33	108	15	6	85	10
MAP106 <sup>(1)</sup>	223122	1	VHF+UHF	34	108	15	5	75	10
MAP109 <sup>(2)</sup>	223160	1	VHF+UHF, 5 OUT	17	5 OUT x 92	15	4	65	10
MAP210	223124	2	VHF+IV, V	-2, 11	105	- , -	- , 5	40	10
MAP210/.. <sup>(4)</sup>	223126	2	VHF+IV, V	-2, 11	105	- , -	- , 5	40	1
MAP204 <sup>(1)</sup>	223148	2	VHF, UHF	26, 24	108	15, 15	5, 5	65	10
MAP207	223147	2	III+UHF, UHF	21, 21	108	15, 15	8, 8	65	10
MAP208	223161	2	III, UHF	34, 35	108	15, 15	4, 3	80	10
MAP206 <sup>(1)</sup>	223150	2	VHF, UHF	35, 36	108	15, 15	5, 5	75	10
MAP303	223130	3	VHF, IV, V	-2, -2, 12	105	- , - , -	- , - , 5	40	10
MAP303/.. <sup>(4)</sup>	223132	3	VHF, IV, V	-2, -2, 12	105	- , - , -	- , - , 5	40	1
MAP310 <sup>(3)</sup>	223145	3	FM, DAB, UHF	-1, 14, 14	108	- , - , -	4, 4	35	10
MAP311 <sup>(3)</sup>	223146	3	FM, DAB, UHF	-1, 25, 24	105	- , 15, 15	4, 5	60	10
MAP312 <sup>(1)</sup>	223142	3	VHF, IV, V	25, 24, 25	108	15, 15, 15	5, 6, 6	65	10
MAP312/.. <sup>(1)(4)</sup>	223159	3	VHF, IV, V	25, 24, 25	108	15, 15, 15	5, 6, 6	65	1
MAP313 <sup>(1)</sup>	223152	3	VHF, UHF, UHF	24, 30, 30	108	15, 15, 15	5, 8, 8	80	10
MAP315 <sup>(1)</sup>	223163	3	VHF, UHF, UHF	34, 40, 40	108	15, 15, 15	5, 8, 8	95	10
MAP400 <sup>(1)</sup>	223141	4	VHF, VHF, UHF, UHF	-4, 21, 19, 19	105	- , 15, 15, 15	- , 5, 8, 8	60	5
MAP401	223195	4	I+III, FM, UHF, SAT	20,20,30,-2	104,104,108,-	15,15,15,-	5,5,6,-	85 (without LNB)	5
MAP500	223133	5	I, III, IV, V, UHF	16, 15, 10, 10, 11	108	- , - , - , - , -	4, 4, 8, 8, 8	40	5
MAP500/.. <sup>(4)</sup>	223135	5	I, III, IV, V, UHF	16, 15, 10, 10, 11	108	- , - , - , - , -	4, 4, 8, 8, 8	40	1
MAP501	223137	5	I, III, IV, V, UHF	24, 24, 19, 20, 20	108	15, 15, 15, 15, 15	4, 4, 8, 8, 8	60	5
MAP501/.. <sup>(4)</sup>	223136	5	I, III, IV, V, UHF	24, 24, 19, 20, 20	108	15, 15, 15, 15, 15	5, 5, 9, 9, 9	60	1

<sup>(1)</sup> To allow the FM band to pass, cut the P1 link

<sup>(2)</sup> 1 input and 5 outputs

<sup>(3)</sup> DAB = 210-240MHz

<sup>(4)</sup> Models with suffix /.. are tuned specially, the last channel of band IV and the first channel of band V must be specified on order (e.g. MAP501/38-41)

• In the standard models without a suffix, band IV includes channels E21-E35 and band V includes channels E39-E69

\* For exclusively DTT distributions the output level can be increased by 7dB (i.e. 108 analogue --> 115 digital).