

## CAD-804 (Z19040256), CAD-814 (Z19040257) - Programm. ampli



CAD-804



CAD-814

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High selectivity programmable amplifier to filter, convert and equalize up to 32 terrestrial channels. Ideal for home TV distribution or MATV systems.

Programmable amplifier with 4 UHF/BIII/DAB inputs, 1 FM/BI input and LTE700 compatible. Its 32 digital filters are easy to program thanks to the LCD 32-digit display with keypad and autosettings option. In addition, thanks to the Automatic Gain Control of the amplifier we can obtain a stable output level, which can be adjusted to our needs, without worrying about input signal fluctuations.

Moreover the chassis made of zamak gives the amplifier the maximum shielding and sturdiness.

#### Main Features:

- Output level 120 dB $\mu$ V
- 32 programmable filters with high selectivity
- LTE700 / No LTE
- Easy and fast autoconfiguration with display
- External power supply for easy maintenance
- 4 UHF/BIII/DAB inputs + 1 FM/BI input
- Channel conversion
- Automatic Gain Control with output level adjustment
- Extra gain regulation per channel
- Robust chassis made of zamak

SPECIFICA	CAD-804 (Z19040256)	CAD-814 (Z19040257)
<b>TERRESTRIAL</b>		
Inputs	4x UHF / BIII / DAB - 1x FM/BI	
Frequency range	UHF (470 ~ 862 Mhz) - BIII/DAB (170 ~ 240 MHz) - FM/BI (40 ~ 108 MHz)	
Programmable filters	32	
Number of channels per filter	1	
Input level	UHF (35 ~ 95 dB $\mu$ V) - BIII/DAB (170 ~ 240 dB $\mu$ V) - FM/BI (40~108 dB $\mu$ V)	
Selectivity	40 @ 1Mhz	
Maximum gain	UHF / BIII / DAB 35 ~ 80 dB - FM / BI 30dB	
Output level	1x 120 dB $\mu$ V (IM3 DIN 45004B-60dBc) - 95 ~ 115 dB adjustable	
Gain adjustment	UHF CAG (50 dB) - FM adjustable (30 dB)	
Equalization margin	UHF 0 ~ 10 dB	
Noise figure	< 6 dB	
<b>SATELITE</b>		
number of inputs	-	1
Frequency range	-	950 ~ 2150 Mhz
Input level	-	47 ~ 83 dB
Maximum gain	-	45 dB
Output level	-	118 dB $\mu$ V (IMD3 a -35 dB)
Gain adjustment	-	adjustable (20 dB)
Noise figure	-	< 7 dB
LNB power supply	-	0 / 13 18 / Bypass 350 mA 0 / 22 KHz
<b>GENERAL</b>		
Mains voltage	100 ~ 240Vac - 11W	100 ~ 240Vac - 13W
External voltage	9 Vdc - 1 A	9 Vdc - 1,2 A + LNB
Operating temperature	-10° ~ +60° C	
Dimensions	215 x 218.4 x 45 mm	
Protection index	IP31	