## BROADBAND AMPLIFIERS

DISTRIBUTION AMPL SAT-TV (RP 30MHZ)


Code : 9040032
Model : CF-112

Description
Broadband distribution amplifier for terrestrial TV and IF satellite. It amplifies the return path, and is available in different frequencies according to the model. It has a gain control and slope control on each TV and SAT band. Fed by a built-in switching power supply. The input and output test point permits the checking and adjustment of the installation without having to disconnect the TV signal.

## Applications

Used as a distribution amplifier in large terrestrial and IF band SMATV installations. Designed to permit the distribution of the IF band among groups of different buildings or houses from one single SAT head-end.

## Characteristics

Made from zamak and galvanised plate for maximum shielding. Separate housings for the power supply unit and the high frequency circuit. F type connectors, located on the lower part to help with the installation.

| CODE |  | 9040032 |  |  |
| :---: | :---: | :---: | :---: | :---: |
| MODEL |  | CF-112 |  |  |
| Frequency range | Band | VR | TV | SAT |
|  | MHz | 5-30 | 47-862 | 930-2.150 |
| Gain | $\mathrm{dB} \pm$ TOL | $10 \pm 1$ | $40 \pm 2$ | $40 \pm 4$ |
| Gain adjustment | dB | - | 20 | 15 |
| Adjustable equalization range | dB | - | 18 | 6 fija |
| Input/output test point | $\mathrm{dB} \pm$ TOL | $-28 \pm 1$ | $-30 \pm 2$ | $-26 \pm 4$ |
| Output level | $\mathrm{dB} \mu \mathrm{V}$ | 110 DIN 45004B $107\left(1 \mathrm{MD}_{3}-60 \mathrm{~dB}\right)$ $90\left(\mathrm{MD}_{2}-60 \mathrm{~dB}\right)$ | 113 DIN 45004B $110\left(\mathrm{MD}_{3}-60 \mathrm{~dB}\right)$ $103\left(\mathrm{MD}_{2}-60 \mathrm{~dB}\right)$ 95 (CTB -60 dB) 99 (CSO -60 dB) 95 (XMOD-60 dB) | $\begin{aligned} & 120\left(\left(\mathrm{MD}_{3}-35 \mathrm{~dB}\right)\right. \\ & 110\left(\mathrm{MD}_{2}-35 \mathrm{~dB}\right) \end{aligned}$ |
| Return loss 1/O | dB | $\geq 14$ | $\geq 10$ | $\geq 5$ |
| Chroma - luminance delay | ns | <80 |  |  |
| Group delay | ns | <40 |  |  |
| Noise figure | dB | $\leq 8,5$ | <8,5 | $\leq 8$ |
| Mains voltage | V~ | 90-264 50/60 Hz |  |  |
|  | W | 8 |  |  |
| Operating temperature | ${ }^{\circ} \mathrm{C}$ | -20..+60 |  |  |
| Protection index |  | IP 50D |  |  |
| Units per packing |  | 1 |  |  |
| Packing weight | Kg | 1,8 |  |  |
| Packing dimensions | mm | $220 \times 200 \times 60$ |  |  |


| CODIGO |  |  | 9040032 | 9040047 | 9040037 | 9040043 |
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| MODELO |  |  | CF-112 | CF-116 | CF-712 | CF-716 |
| Modelo equivalente |  |  | - | CF-112 | - | CF-712 |
| Via de retorno | MHz | VR | 5-30 | 5-65 | 5-30 | 5-65 |
| Via directa | MHz | TV | 47-862 | 86-862 | 47-862 | 86-862 |
|  |  | SAT |  |  |  |  |

