

# 905 CHANNEL PROCESSING EQUIPMENT 905-PC

## Amplifiers



PA-721

### Description

Broadband amplifier for ALCAD equipment. It has one inputs to amplify the signal coming from all the modules of the installation, and a mutliplexing input for the rest of the channels of the installation. The output level can be controlled by means of an attenuator.

### Applications

All MATV installations where modulators are incorporated and monochannel amplifiers are not used.

### Characteristics

Amplifier with high output level, power stage with a hybrid amplifier. Supplied with power cable.

| CODE                               |        | 9120244                                                                                                                    |
|------------------------------------|--------|----------------------------------------------------------------------------------------------------------------------------|
| MODEL                              |        | PA-721                                                                                                                     |
| TV System                          |        | AM-TV / DVB-T / DVB-C / DTMB                                                                                               |
| Number of inputs                   |        | 1                                                                                                                          |
| Frequency range                    | MHz    | 80 - 862                                                                                                                   |
| Gain                               | dB±TOL | 44 ±2,0                                                                                                                    |
| Gain adjustment                    | dB     | 15                                                                                                                         |
| Output level                       | dBµV   | 119 DIN 45004B<br>116 (IMD3 - 60 dB)<br>110 (IMD2 - 60 dB)<br>103 (CTB - 60 dB)<br>103 (CSO - 60 dB)<br>104 (XMOD - 60 dB) |
| Output test point                  | dB±TOL | -30 ±1,0                                                                                                                   |
| Extension input loss               | dB±TOL | 0 ±2,0                                                                                                                     |
| Noise figure                       | dB     | 35 ±0,5                                                                                                                    |
| Return loss                        | dB     | >14 - 1.5 / eighth<br>>10                                                                                                  |
| Chroma-luminance                   | ns     | <10                                                                                                                        |
| Connectors                         |        | F female                                                                                                                   |
| Power supply                       |        | 24                                                                                                                         |
|                                    | mA     | 230                                                                                                                        |
| Operating temperature              | °C     | -10..+45                                                                                                                   |
| Room temperature with/ without fan | °C     | -10..+55/+45                                                                                                               |
| Protection index                   |        | IP 20C                                                                                                                     |
| Units per packaging                |        | 1                                                                                                                          |
| Packing weight                     | Kg     | 1.16                                                                                                                       |
| Packing dimensions                 | mm     | 265 x 165 x 40                                                                                                             |

DIN 45004B: 3 unequal carriers, IMD3 at 60 dB

CTB -60 dB: 42 equal carriers, EN 50083-3

IMD3 -60 dB: 2 equal carriers, EN 50083-3

CSO -60 dB: 42 equal carriers, EN 50083-3

IMD2 -60 dB: 2 equal carriers, EN 50083-3

XMOD -60 dB: 42 equal carriers, EN 50083-3