



DA-720

Description

Broadband distribution amplifier for terrestrial TV. It amplifies the VHF band plus interbands and the UHF band separately. Each band has a gain control and a variable equaliser. As they are independent they facilitate level adjustment. Fed by a built-in power supply.

Applications

Used as a distribution amplifier in large community installations or cable networks. These installations commonly have long runs of cable which attenuate and unbalance the signal. The channels with higher frequencies attenuate more. The distribution amplifiers compensate this loss with the equaliser and amplify the channels adding as little noise as possible. The separated band amplifiers do not amplify the highest channels of the interband.

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.

Accessories

- 9120039 CM-004 Male F type connector for Ø6.6 mm coaxial.
 9080023 MC-302 Male F connector to screw onto RG-6 coaxial, Ø7.0 mm.
 9090019 EQ-126 Fixed double equaliser 6/12 dB for terrestrial.

| CODE | | 9040015 | |
|-------------------------------|--------|--------------------------------|---------|
| MODEL | | DA-720 | |
| Frequency range | Band | VHF | UHF |
| | MHz | 47-422 | 470-862 |
| Gain | dB±TOL | 35 ±1,0 | 36 ±1,0 |
| Flatness response | dB | ±1.0 | |
| Gain adjustment | dB | 20 | |
| Fixed equalization | dB | - | 4 |
| Adjustable equalization range | dB | 17 | 8 |
| Input/output test point | dB±TOL | -30 ±1,0 | |
| Output level | dBµV | 120 (DIN 45004B) | |
| | | 117 (IMD ₃ - 60 dB) | |
| | | 115 (IMD ₂ - 60 dB) | |
| | | 106 (CTB - 60 dB) | |
| | | 110 (CSO - 60 dB) | |
| | | 102 (XMOD - 60 dB) | |
| Return loss I/O | dB | 10 | |
| Chroma-luminance delay | ns | <30 | |
| Noise figure | dB | 7 | 8 |
| Fuse | V~ | 250 | |
| | W | 1.6 | |
| Mains voltage | V~ | 230 ±15% 50/60 Hz | |
| | VA | 7 | |
| Operating temperature | °C | -10..+65 | |
| Protection index | | IP 50D | |
| Units per packing | | 1 | |
| Packing weight | Kg | 1.8 | |
| Packing dimensions | mm | 220 x 200 x 60 | |

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB
 IMD₃ - 60 dB: 2 equal carriers, EN 50083-3
 IMD₂ - 60 dB: 2 equal carriers, EN 50083-3

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