

904 BROADBAND AMPLIFIERS

DISTRIBUTION AMPLIFIER DOUBLE TV/SAT



Code : **9040065**

Model : **DA-520**

Description

Broadband distribution amplifier for terrestrial TV and satellite IF. One part of the amplifier amplifies the IF signal while rejecting the TV signals. The other part of the amplifier amplifies the TV and IF signals, distributing the TV signal to the two outputs. Includes a gain control on each TV and SAT band, a variable equaliser on the TV band and a switchable equaliser on the SAT band. Fed by a built-in switching power supply.

Applications

Designed for SMATV installations with double coaxial cable for distribution. The installation is made with a single amplifier for the two distribution cables.

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 make installation easier.

| CODE | | 9040065 | | |
|--|--------|---|--|--|
| MODEL | | DA-520 | | |
| Inputs / Outputs | | 2/2 | | |
| Frequency range | Band | TV | SAT 1 | SAT 2 |
| | MHz | 47-862 | 950-2,400 | 950-2,400 |
| Gain | dB±TOL | 34 ±2.0 | 42 ±2.0 | 42 ±2.0 |
| Flatness response | dB | ±0.7 | ±0.75 | ±0.75 |
| Gain adjustment | dB | | 15 | |
| Fixed equalization | dB | 3 | 6 | 6 |
| Adjustable equalization range | dB | 18 | 7 Switchable | 7 Switchable |
| Output level | dBµV | 2x 118 (DIN 45004B) 2x 115 (IMD ₃ -60 dB) 2x 108 (IMD ₂ -60 dB) 2x 102 (CTB -60 dB) 2x 103 (CSO -60 dB) 2x 102 (XMOD -60 dB) | 120 (IMD ₃ -35 dB) 110 (IMD ₂ -35 dB) | 120 (IMD ₃ -35 dB) 110 (IMD ₂ -35 dB) |
| Return loss I/O | dB | ≥16(-1,5 dB/eighth) ≥12 | ≥14 | ≥14 |
| Chroma - luminance delay | ns | < 40 | | |
| Noise figure | dB | 7 ±1.0 | 10 ±2.0 | 10 ±2.0 |
| Fuse | V~ | 250 | | |
| | A | 1.5 | | |
| Mains voltage | V~ | 90-264 50/60 Hz | | |
| | W | 11 | | |
| Operating temperature close to equipment | °C | -10..+65 | | |
| Room temperature with/without fan | °C | -10..+55/+45 | | |
| Protection index | | IP 50D | | |
| Units per packing | | 1 | | |
| Packing weight | Kg | 1.95 | | |
| Packing dimensions | mm | 220 x 200 x 60 | | |