

904 BROADBAND AMPLIFIERS

DISTRIBUTION AMPLIFIER IF-TV (VR 30 MHZ)



Code : **9040017**

Model : **DA-711**

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 distribution.

| CODE | | 9040017 | | | 9040025 | | |
|-------------------------------|--------------|---|---|--|---|---|--|
| MODEL | | DA-711 | | | DA-713 | | |
| Frequency range | Band | RP | TV | SAT | RP | TV | SAT |
| | MHz | 5-30 | 47-862 | 930-2.150 | 5-65 | 86-862 | 930-2.150 |
| Gain | dB \pm TOL | 4 \pm 0.5 | 34 \pm 1.0 | 41 \pm 2.5 | 6 \pm 0.5 | 34 \pm 1.0 | 41 \pm 2.5 |
| Flatness response | dB | \pm 0.5 | \pm 0.8 | \pm 2.0 | \pm 0.5 | \pm 0.8 | \pm 2.0 |
| Gain adjustment | dB | - | 20 | 15 | - | 20 | 15 |
| Fixed equalization | dB | 2.5 | - | 1,5 \pm 1,5 | 3.5 | - | 1,5 \pm 1,5 |
| Adjustable equalization range | dB | - | 17 | 10 | - | 16 | 10 |
| Input/output test point | dB \pm TOL | -30 \pm 0.5 | -30 \pm 2.0 | | -30 \pm 0.5 | -30 \pm 2.0 | |
| Output level | dB μ V | 107 DIN 45004B 104 (IMD ₃ -60 dB) 90 (IMD ₂ -60 dB) | 120 DIN 45004B 117 (IMD ₃ -60 dB) 110 (IMD ₂ -60 dB) 105 (CTB -60 dB) 105 (CSO -60 dB) 104 (XMOD -60 dB) | 120 (IMD ₃ -35 dB) 110 (IMD ₂ -35 dB) | 107 DIN 45004B 104 (IMD ₃ -60 dB) 90 (IMD ₂ -60 dB) | 120 DIN 45004B 117 (IMD ₃ -60 dB) 110 (IMD ₂ -60 dB) 105 (CTB -60 dB) 105 (CSO -60 dB) 104 (XMOD -60 dB) | 120 (IMD ₃ -35 dB) 110 (IMD ₂ -35 dB) |
| Return loss I/O | dB | \geq 14 | \geq 10 | \geq 9 | \geq 14 | \geq 10 | \geq 9 |
| Chroma - luminance delay | ns | <40 | | | | | |
| Noise figure | dB | -7 | | -10 | -7 | | -10 |
| Fuse | V \sim | 250 | | | | | |
| | W | 5 | | | | | |
| Mains voltage | V \sim | 230 \pm 15% 50/60 Hz | | | | | |
| | VA | 12 | | | | | |
| Operating temperature | $^{\circ}$ C | -20..+65 | | | | | |
| Protection index | | IP 50D | | | | | |
| Units per packing | | 1 | | | | | |
| Packing weight | Kg | 1.8 | | | | | |
| Packing dimensions | mm | 220 x 200 x 60 | | | | | |