

AVDA200 series

Analogue Video Distribution Amplifiers

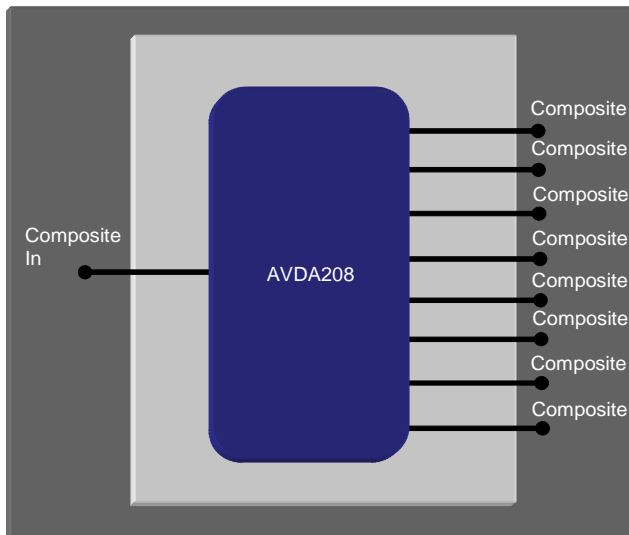
INSERTERS

SWITCHES

CONVERSION

KEYERS

MIXERS



Four or eight outputs

Wide bandwidth and good CMRR

Adjustment of gain and equalisation

0 to 450m cable equalisation



As part of the Series 200 range, Microvideo offer basic distribution amp modules. The AVA204 module has 4 outputs and the AVDA208 has 8 outputs. Both versions are able to equalise cable up to 450m. These cards are part of the Series 200 and can be mixed in our 1U or 3U frames with other cards in the range.

MicroVideo

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AVDA200 series

Technical Information

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- Inputs:** Impedance High impedance bridging 75 termination
Return loss >46dB to 5.5MHz
Common mode signal level 4V max pk to pk
CMMR >60dB to 15kHz, >40dB @ 5MHz
Signal level 1V peak to peak
- Outputs:** Impedance 75 \pm 1%
Return loss >46dB to 5.5MHz
Isolation >70dB to 5.5MHz
DC superimposed <20mV
Electrical length 11nS EQ set to 0m, 7nS EQ set to 150m
Consistency Typically <0.5nS
Signal level 1V peak to peak
- Performance:** Gain range \pm 3dB
Frequency response \pm 0.1dB to 20MHz, \pm 0.25dB to 30MHz, -1dB @ 50MHz
Pulse to bar ratio <0.2%K, Bar slope <0.2%K, Pulse slope <0.2%K
Y/C gain inequality <0.5%, Y/C delay inequality <1nS
Differential gain <0.1% (12.5-87.5% APL)
Differential phase <0.1 (12.5-87.5% APL)
- Physical:** Eurocard size module for mounting in our 1U or 3U frames.
- Power usage:** <1W.
- Frames:** Up to 6 modules will fit in a Microvideo 1U frame and 15 in a 3U frame.
They may be mixed with other Microvideo Series 200 boards in the same frame.
- Ordering:**
- | | |
|---------|--|
| AVDA204 | Analogue Video DA module, equalising, 4 outputs |
| AVDA208 | Analogue Video DA module, equalising, 8 outputs |
| FR1U-20 | 1U rack mounting frame for series 200 cards (dual PSU) |
| FR3U-10 | 3U rack mounting frame for series 200 cards (single PSU) |
| FR3U-20 | 3U rack mounting frame for series 200 cards (dual PSU) |

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