

Triple Video Distribution Amplifier Type AVA-3900

Features:

- Gain reserve
- DC coupled
- Longitudinal hum reduction
- Cable equalisation
- Three outputs
- Terminating inputs
- Suitable for standard and wideband analogue video signals

Applications:

- Line equalising amplifiers
- Component distribution amplifier
- Isolation of multiple monitoring points

General:

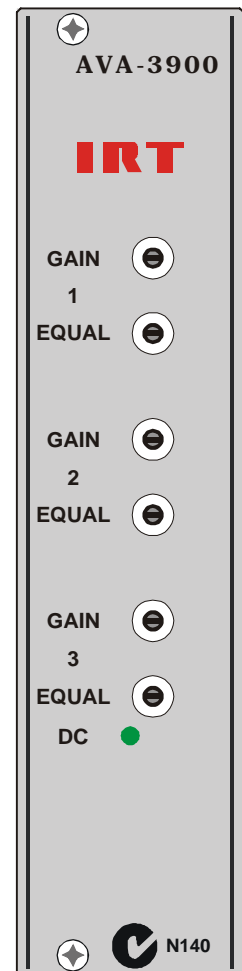
The AVA-3900 is a high performance Eurocard video amplifier package containing three separate amplifiers.

Gain and cable equalisation controls are accessible on the front panel and the longitudinal hum reduction adjustment is an internal pre-set potentiometer.

The cable equaliser characteristics are pre-set to compensate for a maximum of greater than 250 metres of 75Ω video cable. This can be changed to accommodate different cable types.

The AVA-3900 is a standard IRT Eurocard and is compatible with our other Eurocard products.

Two AVA-3900 Eurocards may be mounted in the IRT 1 RU chassis providing 6 VDA's in 1 RU.

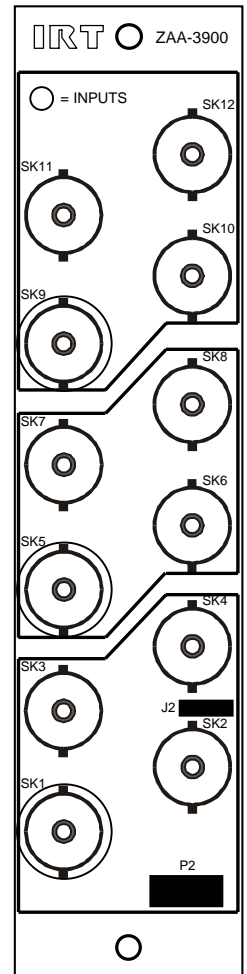


Uses for the AVA-3900 include:

- Adjustment of gain and frequency response of multiple video signals at a central location.
- Isolation of multiple monitoring points.
- RGB / YUV signal distribution or monitoring.

AVA-3900 Technical specifications

Input/output connectors	BNC
Input impedance	Ground isolated, terminating into 75 Ω
Input signal range	0.7 to 1.5 V p-p video signal
Outputs	Three 75 Ω sourced, DC coupled
Maximum output	2.0 V p-p video
Overall gain	Set by front panel control Adjustable from -4 dB to +6 dB
Frequency response	± 0.1 dB to 10 MHz ± 0.2 dB to 50 MHz -3dB > 100 MHz
Differential gain at 4.43 MHz	Less than 0.2% at 1V p-p
Differential phase at 4.43 MHz	Less than 0.2° at 1V p-p
Longitudinal hum reduction	With input grounds isolated better than 40 dB at 50 Hz (Internal pre-set adjustment)
Cable equalisation	Continuously variable front panel control. 250 m of 75 Ω cable (Belden 8281 or equivalent) for standard analogue, 50 m of 75 Ω cable (Belden 8281 or equivalent) for wide band analogue.
General:	
Input power	28 Vac CT (14 - 0 - 14)
Temperature range	0 - 50° C ambient
Mechanical	Suitable for mounting in IRT Eurocard chassis
Finish:	Front escutcheon Rear assembly
Dimensions	6 HP x 3 U x 220 mm IRT Eurocard



Due to our policy of continuing development these specifications are subject to change without notice.

Detailed specifications available from:

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