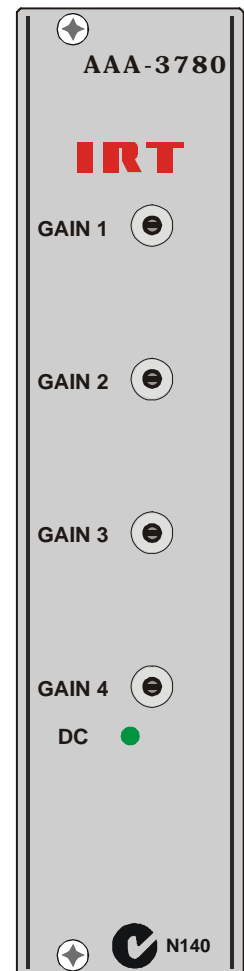


Balanced / Unbalanced Line Audio Interface Amplifiers Type AAA-3780

Features:

- User configurable
- Unbalanced to balanced
or
- Balanced to unbalanced
- High common mode rejection
- Wide gain range
- High packaging density



General:

The AAA-3780 Eurocard audio interface amplifier module contains four separate amplifiers designed to provide level matching and to interface balanced 600 Ω and unbalanced high impedance audio signals.

The AAA-3780 is a standard IRT Eurocard module and is compatible with our other Eurocard products.

Gain controls are accessible on the front panel.

Each of the four channels can be individually configured as either balanced to unbalanced or unbalanced to balanced.

Uses for the AAA-3780 include:

- Gain matching of multiple unbalanced signals to balanced audio signals at a central location.
- Matching balanced signals to unbalanced lines.
- Using hi-fi components such as CD players in a professional studio chain.
- Matching studio signals to unbalanced recorders.
- Matching transducers to instrumentation recorders.

AAA-3780 Technical Specifications

Inputs:

Type	Transformerless, choice of balanced or unbalanced
Number	1 per amplifier
Impedance	> 10 k Ω
Maximum input level	24 dBu
Input CMR	> 45 dB 20 Hz to 20 kHz

Outputs:

Type	Transformerless, choice of balanced or unbalanced
Number	1 per amplifier
Impedance	Balanced < 40 Ω Unbalanced < 60 Ω
Maximum output level	24 dBu
DC on Output	< ± 20 mV

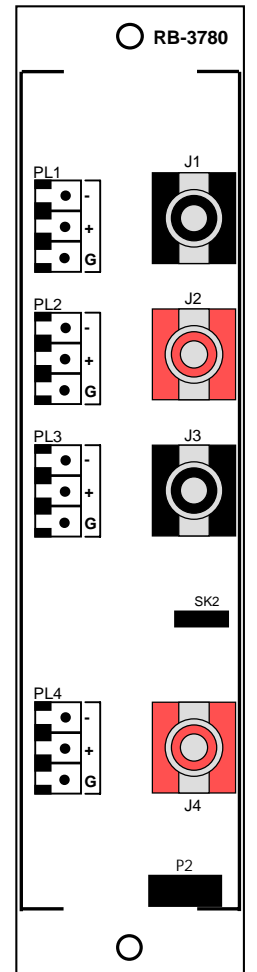
Performance:

Overall gain	Set by front panel control Adjustable from no output to a maximum of +10 dB
Frequency response	± 0.5 dB (20 Hz to 20 kHz)
Total harmonic distortion	< 0.01% (measured @ +10 dBm input) (20 Hz to 20 kHz)
Phase difference between channels:	< 0.1 $^\circ$ (20 Hz to 15 kHz)
Noise	< -75 dBm unweighted
Crosstalk ratio	> 80 dB

Connectors:	Balanced	Plugable screw block connectors
	Unbalanced	RCA phono

General:

Input power	28 Vac CT (14-0-14) or ± 16 Vdc
Power consumption	55 mA (no signal)
Temperature range	0 - 50 $^\circ$ C ambient
Mechanical	Suitable for mounting in IRT 19" rack chassis with input, output and power connections on the rear panel
Finish:	Front panel Rear assembly
	Grey background, black lettering & red IRT logo
	Detachable silk-screened PCB with direct mount connectors to Eurocard and external signals
Dimensions	6 HP x 3 U x 220 mm IRT Eurocard
Standard accessories	Matching balanced audio connectors
Optional accessories	TME-6 module extender card



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

Detailed specifications available from:

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Local Agent:

IRT can be found on the Internet at:
<http://www.irtelectronics.com>