
**FAST LINEAR
DC-RESTORED FANOUT
L 1013**

MOD. MARS 1979
AOUT 1978
IPNL M. DOY

FAST LINEAR DC - RESTORED FANOUT L 1013

SPECIFICATIONS (15 mars 1979)

Channel 1 is optimized for large spectrometric pulses ($\pm 10V$) from the output of a spectrometric amplifier.

Channel 2 and 3 are optimized for smaller negative only pulses (about - 1V to - 2V peak).

INPUT	Ch 1 max $\pm 10V$ on 50Ω or $2k\Omega$, Ch 2 and 3 max - 10V on 50Ω or $2k\Omega$, front panel switchable
OUTPUT	Ch 1 max $\pm 10V$ on $2k\Omega$, max $\pm 6,5V$ on 50Ω Ch 2 and 3 max - 10V on $2k\Omega$, max - 6,5V on 50Ω Two independent outputs for each input Same polarity as input Base line front panel adjustable 22Ω output resistance; may be bypassed by an internal switch on the PC board; the output short-circuit protection in then removed).
50Hz REJECTION	>30 dB
BASE LINE	Ch 1 no observed base line shift if the duty cycle is <10% (10V pulses). Ch 2 and 3 no base line shift for negative pulses.
LINEARITY	No measurable deviation from linearity. Ch 2 and 3 are only linear for input pulses of magnitude greater than 10mV.

BANDWIDTH

Out into 50Ω , 200Hz to 100MHz, $\pm 3\text{dB}$ and

400Hz to 60MHz, $\pm 1,5\text{dB}$ for $\text{In} \pm 5\text{V pp.}$

Out into 50Ω , 500Hz to 110MHz, $\pm 3\text{dB}$ and

800Hz to 80MHz, $\pm 1,5\text{dB}$ for $\text{In} \pm 1\text{V pp.}$

RISE TIME

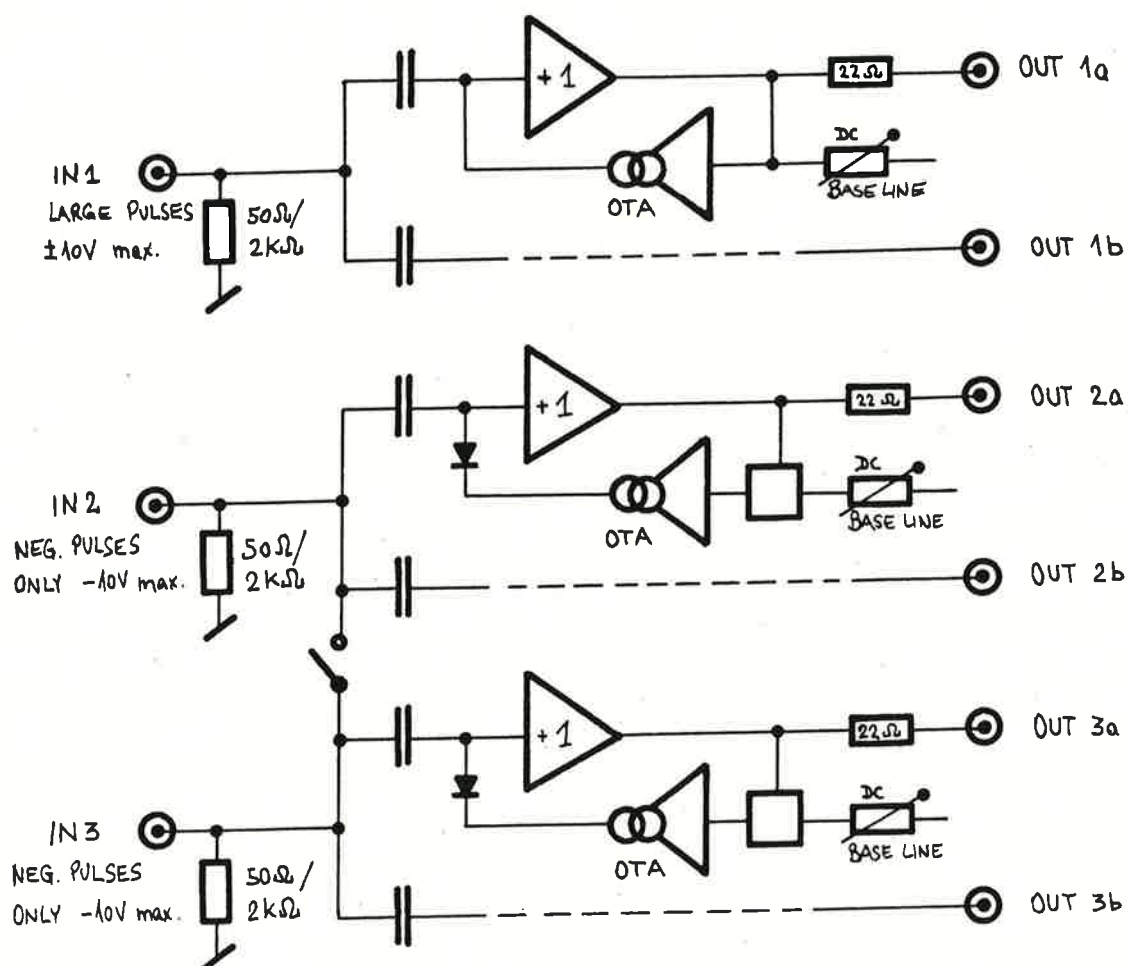
Ch 1 + 5V out into 50Ω : 5ns. - 5V out into 50Ω : 6,5ns

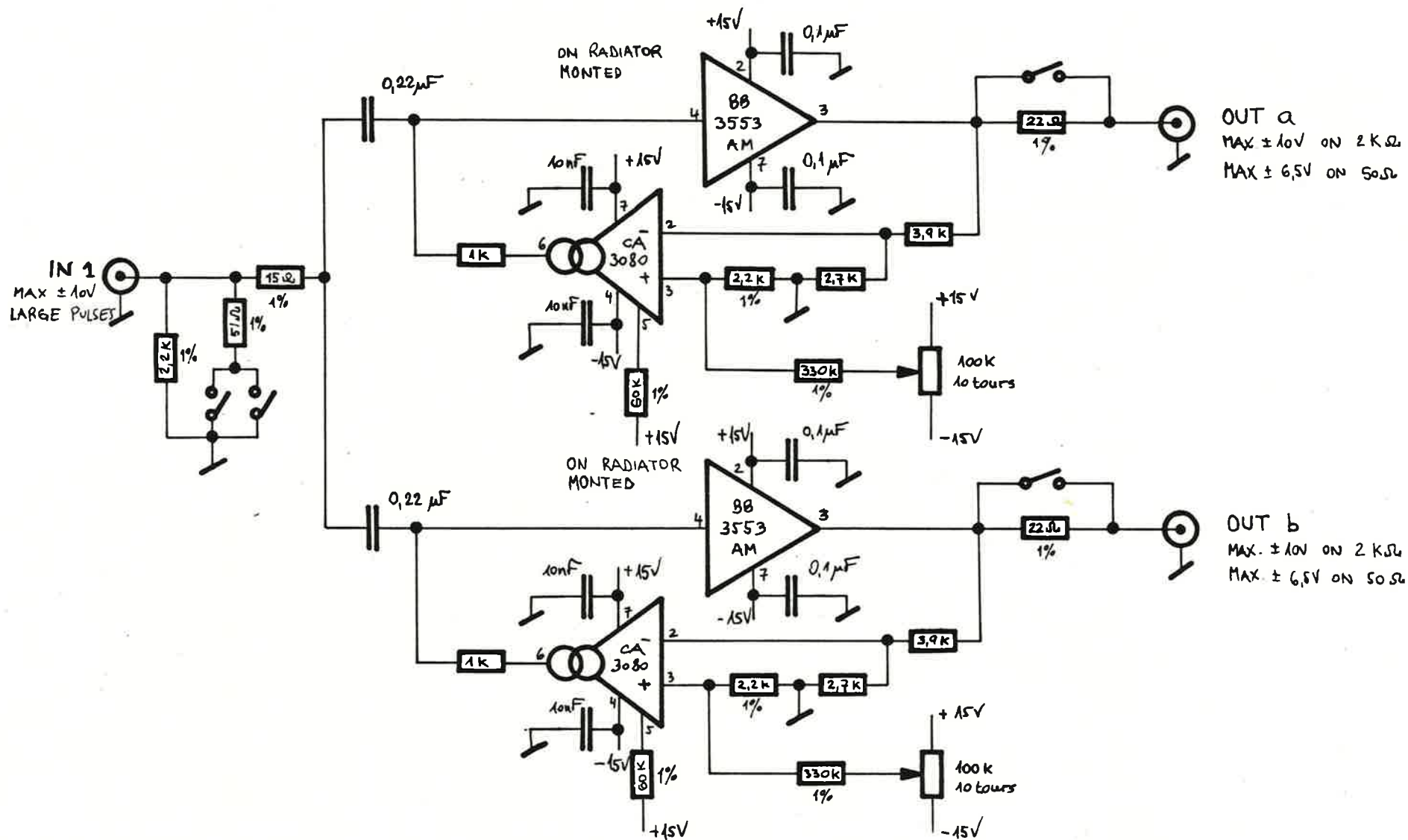
+ 1V out into 50Ω : 5ns. - 1V out into 50Ω : 5ns

Ch 2 and 3 - 5V out into 50Ω : 5ns

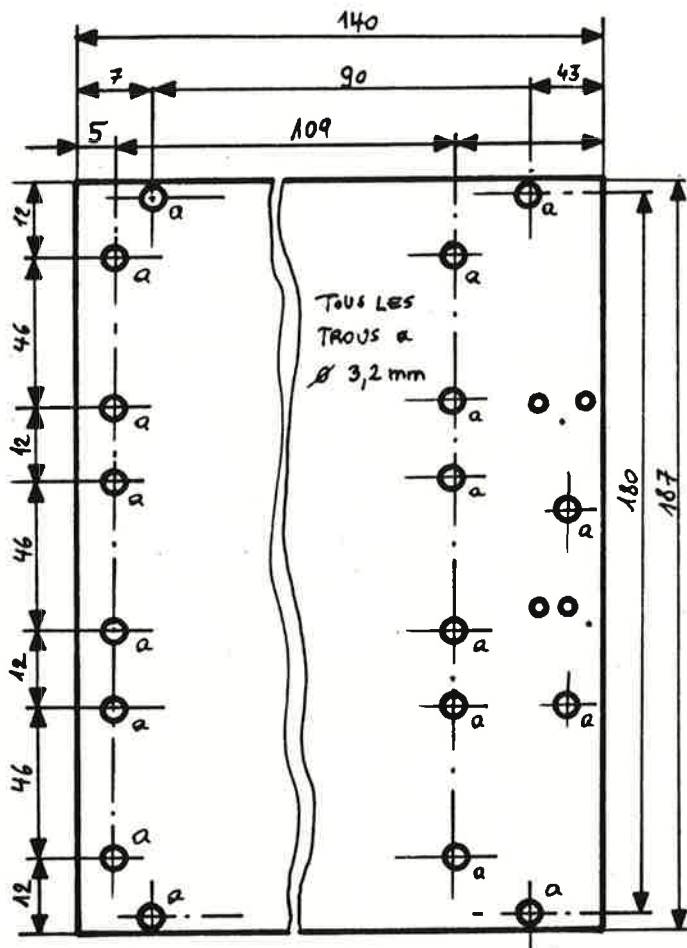
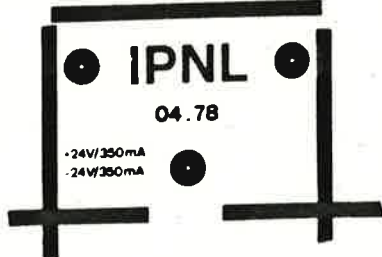
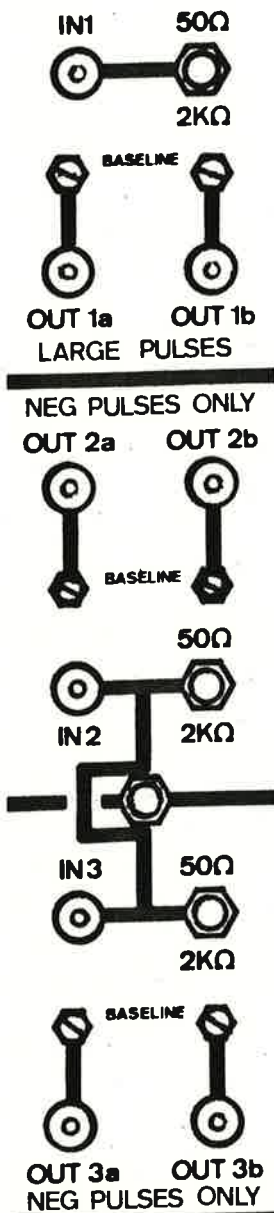
- 1V out into 50Ω : 5ns

- 0,1V out into 50Ω : 4,5ns





- CHANNEL 1 -



EPOXY CUIVRE 1 FACE
EP. 1,6 MM.
ENTRETOISES DE FIX.: 6MM
CASSETTE STAND. NIM 1 UNITE

- MECANIQUE - FACE AVANT ET
PLAQUE DE BASE -