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Preliminary Data Sheet 33.60
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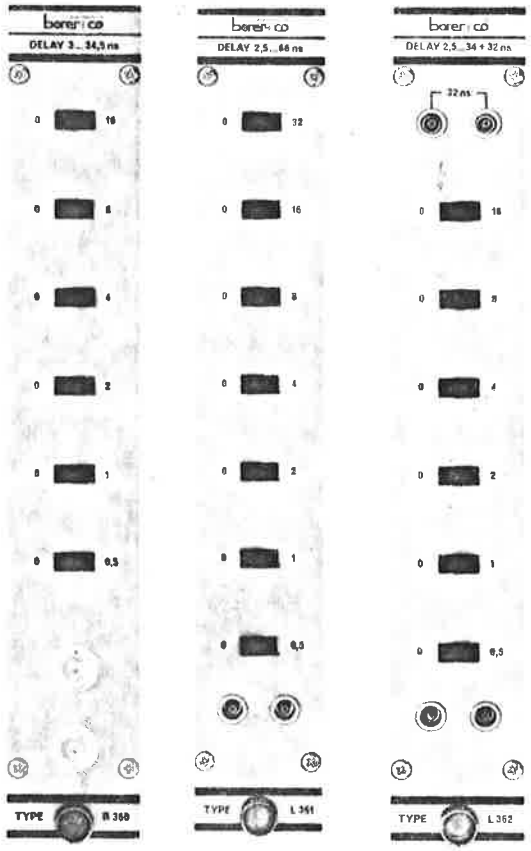
D E L A Y L I N E S TYPE 360 / 361 / 362



The Delay Lines type 360, 361 and 362 are contained in an unpowered AEC-NIM module, one unit width. The total length of the 50-Ohm delay line can be varied in steps of 0,5 nanoseconds by means of slide switches. Care has been taken to reduce the reflections, tolerance and attenuation to a minimum possible. The units can be supplied either with BNC 50Ω or LEMO 00250 connectors.

L 361 is an industrial version of CERN type N 9053.

SPECIFICATIONS

	Type B/360	L/361	L/362
Impedance	50Ω ± 2%	50Ω ± 2%	50Ω ± 2%
Delay range	3-34.5 ns	2.5-66 ns	2.5-34 ns
Delay fixed			32 ns
Delay steps	0.5 ns	0.5 ns	0.5 ns
* Reflections max.	< 5 %	< 5 %	< 5 %
** Attenuation for 56 AVP pulses	< 8 %	< 17.5%	< 8 %
*** Attenuation for 10 ns square pulses	< 4 %	< 8 %	< 4 %
*** Rise time degradation	< 0.3 ns	< 0.3 ns	< 0.3 ns
Accuracy 0.5 ns step	< 50 ps	< 50 ps	< 50 ps
Accuracy 1 ns step	< 80 ps	< 80 ps	< 80 ps
Accuracy 2 ns step	< 100 ps	< 100 ps	< 100 ps
Accuracy 4 ns step	< 150 ps	< 150 ps	< 150 ps
Accuracy 8 ns step	< 150 ps	< 150 ps	< 150 ps
Accuracy 16 ns step	< 250 ps	< 250 ps	< 250 ps
Accuracy 32 ns step		< 300 ps	< 300 ps

* for 56 AVP pulses or t_r 0.3 ns
** when full delay is switched in
*** for a pulse with 0.2 ns rise time