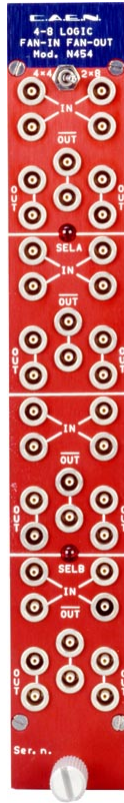


N454

4-8 Logic FAN- IN/FAN-OUT



Features



- 4 independent sections with 4 inputs each
- OR output with fan out of four per section
- Possibility of cascading channels to form dual 8-fold fan-in/ fan-out
- Input/output delay less than 7 ns
- 100 MHz max. input frequency

Description

The **Mod. N454** is a single width NIM unit housing 4 independent Fan In-Fan Out sections. Each section accepts 4 input NIM signals and performs on these the logic OR function. The result of the function is available as 4 normal and 2 complementary NIM signals on 6 front panel connectors. The unit can be programmed, via a front panel switch, to work as 4 OR sections (4 inputs/4 outputs) or 2 OR sections (8 inputs / 8 outputs). (ISN-GRENOBLE design).

Technical Specifications

Packaging

One unit wide NIM module

Number of Inputs

4 per channel

Input Levels

Std. NIM levels on 50 Ohm impedance

Reflections

<15% for input risetimes >2 ns

Quiescent Level (VDC)

-20 mV < VDC < 20 mV

Signal Width

5 ns min., FWHM

Coupling

Direct

Number of Outputs

4 normal; 2 complementary per channel

Output Levels

Std. NIM levels on 50 Ohm impedance

Rise-times and Fall-times

2.7 ns typical, 3.5 ns max.

Width

Equal to the logical sum of the input durations

Input/Output Delay

7 ± 0.5 ns

Connectors

16, "IN".

16, "/OUT".

8, "OUT".

All the connectors are LEMO 00 type.

Displays

Front-panel LEDs located between upper/lower pair channels which are combined. When the front-panel switch is set to 2x8 position these LEDs would be alighted meaning that upper pair channels and the lower pair channels have been paralleled.

Switches

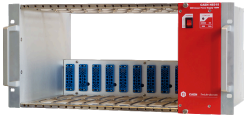
1 front-panel switch for channel paralleling

Ordering Options

Code	Description	
WN454XAAAAAA	N454 - 4-8 Logic Fan-In Fan-Out	RoHS

Related Products

NIM8302



5U 10 slot 150 W Compact Crate

NIM8306



2 Slot Switching 750 W Mini Crate

NIM8304



7U 12 slot smart fan unit Switching 2000 W Crate

NIM8305



2 Slot Switching 450 W Mini Crate

NV8020A



7U CRATE VME/NIM 8 slot VME64 365W, 5 slot NIM 150W

NIM8303



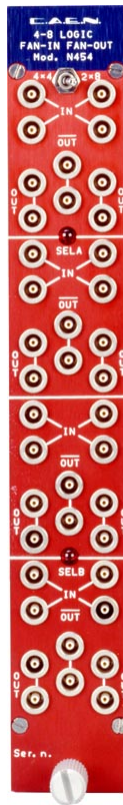
5U 12 slot 300/600 W Crate

NIM8302P



5U 5 slot 150 W Portable Crate

Gallery



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