



- 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

Software

NO

Ordering code

WN454XAAAAAA

N454 - 4-8 Logic Fan-In Fan-Out

NIM - N454

4-8 Logic FAN-IN/FAN-OUT

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 Table

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

Compare with other Products

Compare with other Fan In - Fan Out Units

Model	Package	Function	Description
N454	NIM	Fan In - Fan Out Units	4-8 Logic FAN-IN/FAN-OUT

N625	NIM	Fan In - Fan Out Units	Quad Linear FAN-IN FAN-OUT
V1495	VME	Fan In - Fan Out Units	General Purpose VME Board
V925	VME	Fan In - Fan Out Units	Quad Linear FAN-IN FAN-OUT
V976	VME	Fan In - Fan Out Units	Quadf 4 Fold AND/OR/MAJ, NIM-TTL TTL-NIM Translator, Fan-In Fan-Out

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