

# N455

## Quad Coincidence Logic Unit



## Features



- 4 identical independent sections
- Two inputs per section
- 130 MHz Max input frequency
- 6 ns double pulse resolution
- 10 ns I/O delay
- Switch selectable AND/OR logical function
- Adjustable output FWHM (4 to 650 ns)
- Overlap output
- Common Veto

## Description

The **Mod. N455** houses, in a single width NIM module, 4 independent sections performing the logic function, AND or OR, selected via the relevant front panel switch. Each section has 3 normal and 1 complementary NIM shaped outputs whose width can be set via front panel trimmer and a supplementary overlap output (OVP OUT) whose width is equal to the time interval during which the desired function is satisfied. The OVP OUT allows to obtain an output signal with the minimum input/output delay. A common veto input signal is available to disable all the output signals. (*ISN-GRENOBLE design*)

## Technical Specifications

### Packaging

One unit wide NIM module

### IN

2, std. NIM level, 50 Ohm impedance for each section

### VETO

1, std. NIM level, 50 Ohm impedance. It must precede the leading edge of the coincidence signal by at least 1 ns.

### OUT

3, std. NIM level, 50 Ohm impedance (for each section).

### OUT

1, std. NIM level, complementary logic, 50 Ohm impedance (for each section).

### OVP

1, std. NIM level, 50 Ohm impedance (for each section)

### Max. frequency

130 MHz

### Input-Output delay

< 16 ns

### Input-OVP delay

< 10 ns

### Double Pulse resolution

< 6 ns at min. output width setting

## Ordering Options

Code	Description	
WN455XAAAAAA	N455 - Quad Coincidence Logic Unit	RoHS

## Related Products

### NIM8302P



5U 5 slot 150 W Portable Crate

### NIM8306



2 Slot Switching 750 W Mini Crate

### NV8020A



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

### NIM8303



5U 12 slot 300/600 W Crate

### NIM8304



7U 12 slot smart fan unit Switching 2000 W Crate

## NIM8305



2 Slot Switching 450 W Mini Crate

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## NIM8302



5U 10 slot 150 W Compact Crate

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# Gallery



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