

2ch NIM V/F CONVERTER

(TYPE: N2VF-01Z)

USER'S MANUAL

4481 (Rev.1/2025.01.08)



TSUJICON

APPLICATION OF ELECTRONIC DEVICES

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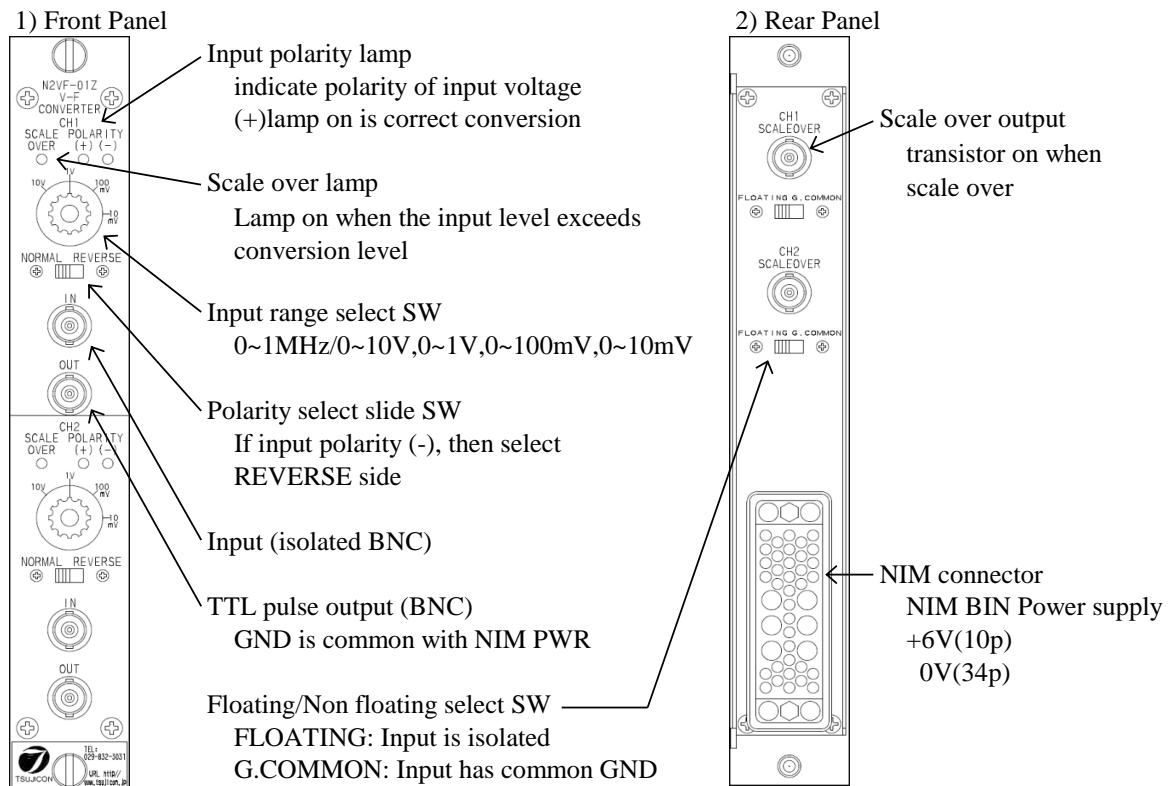
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A V-F Converter constructed in a NIM-1 UNIT case has two channels outputs and include a four stage amplification factor switch and a polarity selector switch. In addition, with over range and polarity displayed, V-F conversion is always performed at the optimum conditions. The over range signal is output as a transistor open-collector signal which can be used as a warning. The DC amplifier can be used under isolated (floated) condition from the NIM power source, providing higher noise tolerance.

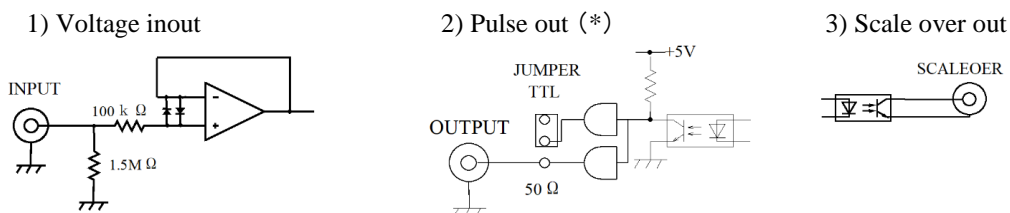
1. Specification

- | | |
|-----------------------------|--|
| 1) Gain | 1MHz/10V, 1MHz/1V, 1MHz/100mV, 1MHz/10mV |
| 2) Input | 0~10V (allowable input $\pm 100V$ Max) / 1M Ω |
| 3) Output | TTL level (or out to 50 Ω by jumper pin) positive logic |
| 4) Output Frequency | 0~1MHz |
| 5) Conversion Accuracy | 0.05%FS |
| 6) Scale over Output | Open collector transistor ON (isolation) |
| 7) Input / Case Isolation | Select either Isolation or GND |
| 8) Input / Output Connector | Isolated BNC |
| 9) Power Supply | +6V about 1300mA (From NIM Connector) |
| 10) Case | NIM-1 |

2. Panel layout



3. Circuit of input/output



(*) Output level exchange(TTL \leftrightarrow 50 Ω) is enable by opening the left side panel and moving jumper pins(JP3 for ch1, JP4 for ch2) those are located on the front panel side of the board. They are set to TTL level side as defaults.