

IP-unit of ALU with single precision FPU.

Brief datasheet.

1. Name.

ALU_FLOAT_32.

2. Prescription.

IP- unit ALU_FLOAT_32 is designed for operations flow under operands presented in the format of floating-point single precision in accordance with IEEE 754 standard requirements.

3. List of operations.

- Addition;
- Subtraction;
- Multiplication;
- Addition, subtraction, and multiplication of complex numbers;
- Division;
- Square-rooting;
- Larger drawing;
- Lesser drawing;
- Absolute value;

4. Rounding state.

To proximal cardinal.

5. Characteristics of technical implementation.

In the process of operations flow results return of multiplication operations may be delayed in terms of results return of other operations specified in article 3.