

JSC "INTEGRAL" – "INTEGRAL" Holding Managing Company
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60 years of experience in the development and production of microelectronic components

- High level of applied technologies and state-of-the-art equipment
- Complete cycle of development and production of integrated circuits and semiconductor devices: from silicon ingots to finished products
- High quality of products is confirmed by national and international standards ISO 9001
- Highly qualified personnel

Main types of microelectronic components

Activity profile of JSC "INTEGRAL" - "INTEGRAL" Holding Managing Company:

Design and production of integrated circuits, semiconductor devices, LCDs, electronic and medical equipment.

JSC "INTEGRAL" - "INTEGRAL" Holding Managing Company provides the complete cycle of design and production - from silicon wafers to integrated circuits and semiconductor devices as well as from microelectronic components to electronic equipment.

The total number of employees is about 5,000 people.
General Director of JSC "INTEGRAL" is ANDREY BUINEVICH.

Process capabilities:

- CMOS technology, 0.35 µm, 2 PolySi, 3 Me;
- BiCMOS technology, 0.8 µm, 3 PolySi, 2 Me;
- High voltage CMOS technology, 0.8 µm, 2 PolySi, 1Me;
- Bipolar technologies, 1.5...5 µm, 1-2 Me;
- BiCDMOS, DMOS technologies, 0.8...2 µm, 1 Me;
- Bipolar microwave transistors technology;
- Schottky diodes technologies;
- Planar technology of thyristors manufacturing with counter diffusion separation;
- Epitaxial-planar and diffusion-planar technologies for the manufacture of silicon semiconductor devices including power high-voltage transistors.

Total semiconductor wafers production capacity:

- 0.35 µm Ø 8 inch - 12 K wafers/year
- 0.8 µm Ø 6 inch - 120 K wafers/year
- 1.5 µm Ø 4 inch - 535 K wafers/year

IC assembly into plastic packages of the following types:

SO, DIP, SOT-25, P-SOT223-4, P-T0-5-11, P-T0-5-12, P-T0-263-5-1, TO-220AB/5, TO-220AB/7, P-T0-220-7-180, P-T0-220-7-230, SIL-3P, SIL-9P, SIL-9MPF, DBS-9P, DBS-9MPF, SOT523-1, SIL-13P, SIL-15P, QFP-80, QFP-100

Semiconductor devices assembly:

- T0-92, T0-126, T0-218, T0-220, DPACK, D2PACK, IPACK, SOT-23, T0-3, T0-18, T0-72, Case 22A-01

ICs FOR DIGITAL SYSTEMS:

- REAL TIME CLOCKS
- DRIVERS
- INTERFACE ICs

POWER ELECTRONICS:

- DC/DC CONVERTORS
- TIMERS
- PRECISION VOLTAGE REFERENCE
- AUTOMOTIVE ICs
- MULTICHANNEL CURRENT DRIVERS
- COMPARATORS
- OPERATIONAL AMPLIFIERS
- VOLTAGE REGULATORS
- PWM CONTROLLERS

ICs for CONSUMER ELECTRONICS:

- ICs for ELECTRONIC THERMOMETERS
- ICs for DIGITAL WATCHES
- MELODY ICs
- ICs for AUDIO SYSTEMS

ICs for ID & ACCESS:

- RFID ICs
- ICs for SMART CARDS

ICs for TELECOMMUNICATIONS:

- SINGLE CHIP TELEPHONE ICs
- SPEAKER ICs
- DIALLER
- RINGERS ICs
- RECEIVERS, DECODERS

STANDARD LOGIC ICs:

- 74LS/ALS SERIES
- 4000B SERIES
- 74 AC/ACT SERIES
- 74HC/HCT SERIES

DISCRETE DEVICES:

- BIPOLAR TRANSISTORS
- MOSFET TRANSISTORS
- UNIJUNCTION TRANSISTORS
- DIODES

ADDITIONAL SERVICES:

- FOUNDRY PRODUCTION
- DESIGN SERVICE
- ANALYSIS of ICs SERVICE

