ПЛАЗМА

Joint stock company Research and development institute of gas discharge devices «Plasma»

Plasma JSC founded in 1959 is a leading research and development company In Russia for plasma electronics for various applications.

ПЛАЗМА

Plasma JSC products are delivered to 36 countries of the world. Including USA, Japan, Germany, France, Switzerland, South Korea, Taiwan, China etc.

ПЛАЗМА

Main products

Gas lasers

Gas-discharge devices

Industrial ceramics and metal-ceramic units

ПЛАЗМА

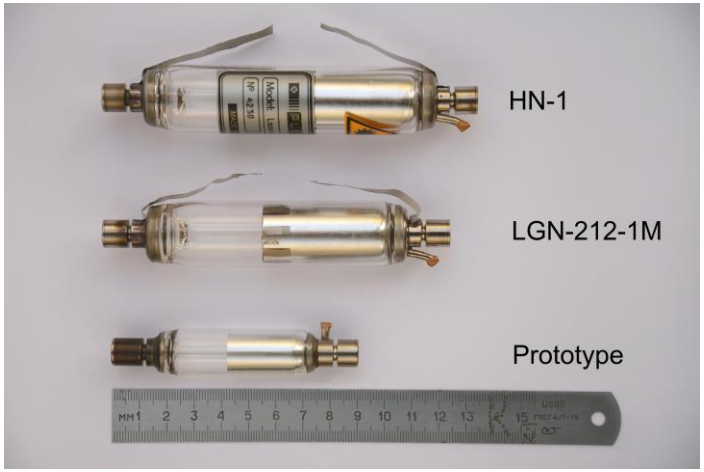
HeNe lasers

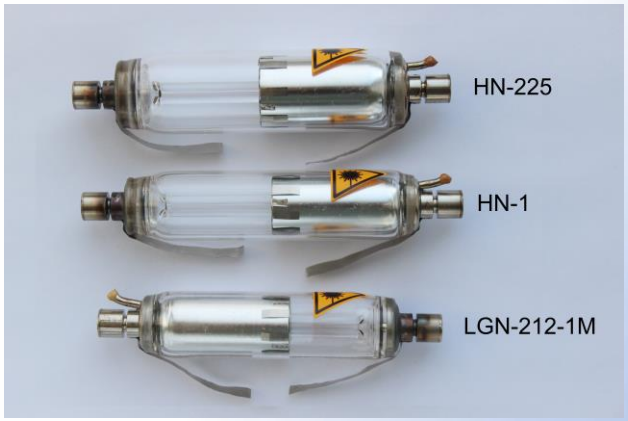
Helium-Neon lasers have generation spectrum in red (0,63um) and IR (1,15, 3,39, 5,4 um) spectral regions.
Application: interferometric precise measurements (stabilized lasers), manufacturing machinery, research and development, medical equipment.

Росэлектроника

ПЛАЗМА

HeNe laser tubes





Helium-Neon laser tubes are widely used for refurbishment of HeNe lasers; interferometry; high-accuracy precision measuring equipment for microelectronics and machinery units.

HeCd lasers

Compact UV laser
HCCL-30UM(I)

Compact lasers
HCCL-4UM; HCCL-15UM

Two-wave laser HCL-40
with power 40mW

Application: research and development, stereolithorgaphy, production of holographic optical elements, metrology, biochemistry and cytometry, polygraphy, medical diagnostics and therapy.

CO2 lasers

1W laser
LCD-1A

50W laser
LCD-50W

10W laser
LCD-10A

Application: manufacturing machinery, research and development, measurement equipment, surveillance systems

ПЛАЗМА

Nitrogen lasers

Small size UV laser
AIL-05

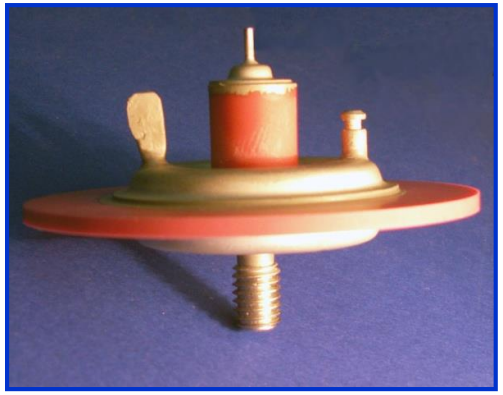
Laser AIL-3
for PDP photomask
repair units

UV laser LGI-511
for microelectronics
units

Nitrogen lasers have shown splendid performance in microelectronics units.

Gas Discharge Tubes (GDT) switching devices

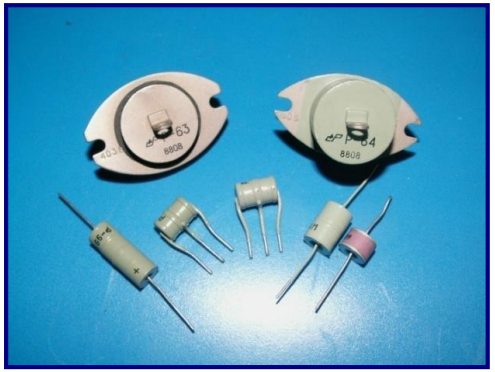
ПЛАЗМА



Triggered Spark Gaps

High power surge arresters

Untriggered Spark Gaps



Surge arresters

Spark Gaps (Sharpeners)

Application of gas-discharge switching devices:

radio-locating stations; weather radars; aircraft engine ignition systems; Protection of electronic equipment; geological exploration (neutron logging instruments, seismic exploration); medical equipment and many others.

ПЛАЗМА

Thyratrons (ceramic)

Anode voltage from 6 to 50 kV;
impulse currents in microsecond mode up to 3 kA;
impulse currents up to 15 kA in nanosecond mode;

ПЛАЗМА

Metal-ceramic pulse X-ray tubes

- Designed for use in X-ray devices and fault detectors.
- Higher power and durability as against glass-metal analogues.

ПЛАЗМА

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