

LENSES, MIRRORS

Lenses made from different types of optical glass: flat-convex, flat-concave, convex-concave, double-convex, double-concave.

SPECIFICATION:

Workpiece diameter, mm	2...500
Optical surface shape accuracy, ΔN	$\leq \lambda / 20$
Radius of curvature accuracy, ΔR	$\leq 0.01\%$
Surface optical purity class, P	not worse than 0-10



Metal optic elements (lenses and mirrors with flat, spheric and aspheric surfaces of second degree and higher), manufactured with diamond turning technology for IR optical devices.

SPECIFICATION:

Dimensions, mm	Diameter up to 600 Thickness up to 10
Material	Germanium, copper, brass, aluminum alloys
Aspherization maximum value (deviation from the nearest sphere), mm	up to 0.14
Optical surface shape accuracy (for workpieces up to $\varnothing 100$ mm)	$\leq \lambda / 10$
Aspherization process control accuracy, μm	0.04...0.01
Surface roughness, Rz	≤ 0.05
Surface optical purity class, P	not worse than II class

