

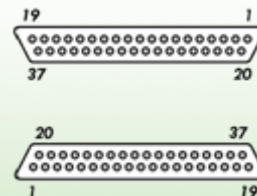
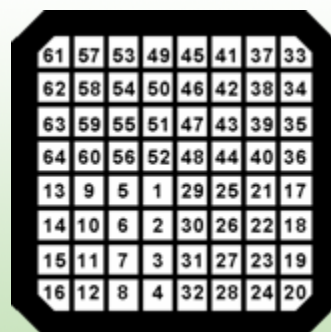
- The U-Flex-70-SQ-64 - unimorph deformable Mirror is designed to be applied in medical imaging, laser beam control and shaping, optical communications, and astronomy.
- The Mirror is capable of forming complex surface patterns, the shape of which is computer-controlled and well suited for compensation of low order aberrations (up to 4th order of Zernike).
- The SDK (C++) allows to operate all functions of the mirror and to achieve easy integration with user software.

VISIONICA

Deformable Mirror U-Flex-70-SQ-64

TECHNICAL SPECIFICATIONS

Clear Aperture	70x70 mm
Substrate	Glass
Stroke	20 μm
Aperture shape	square
Number of control electrodes	64
Control voltage (max)	$\pm 300\text{ V}$
Resonance frequency	$> 8000\text{ Hz}$
Working wavelength	975-1175 nm
Optical Damage threshold in pulsed operation	$> 0.3\text{ J/cm}^2$
Surface quality (scratch-dig)	60-40
Hysteresis	$< 15\%$
Operating temperature	from $+10$ to $+40\text{ }^\circ\text{C}$
Storage temperature	from -30 to $+70\text{ }^\circ\text{C}$
Weight	150 g
Size	100x100x38 mm



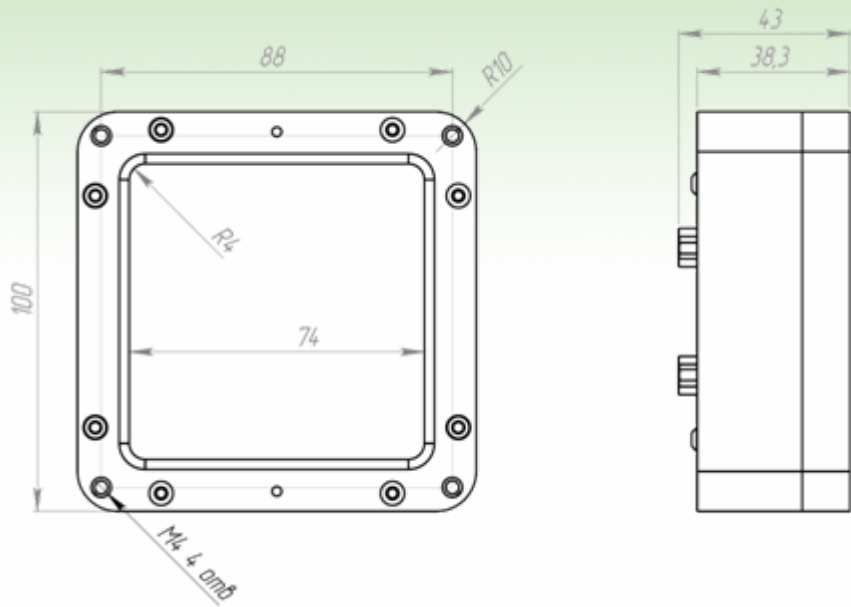
Electrical connector
(2 x 37-pin D-SUB)

Electrodes arrangement
(view from inner side)

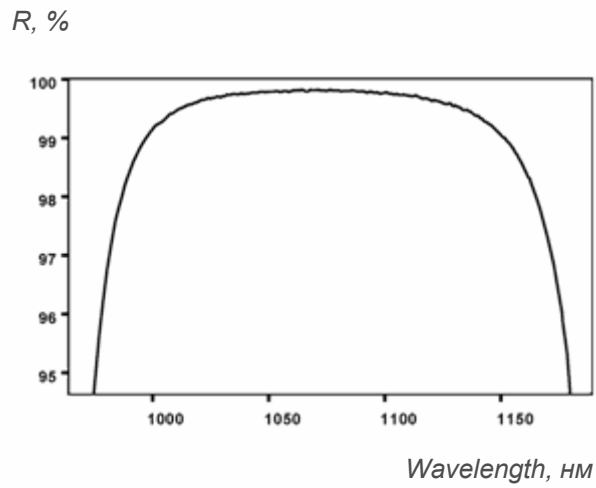


Deformable Mirror U-Flex-70-SQ-64

DIMENSIONS



REFLECTION



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