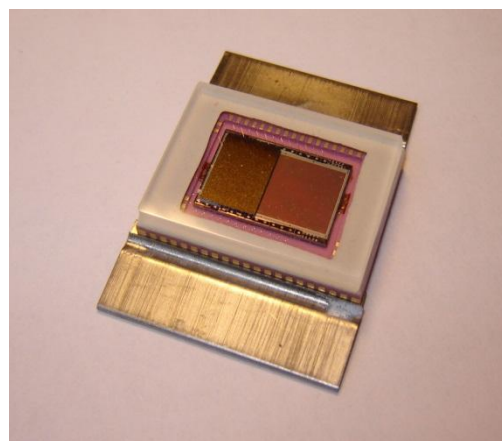


FRAME TRANSFER CCD "CASCADE"

Frame transfer CCD "Cascade" has two sections, 512x1024 pixels, 3-phased arrangement in horizontal and vertical, antiblooming, electronic gate and floating diffusion.

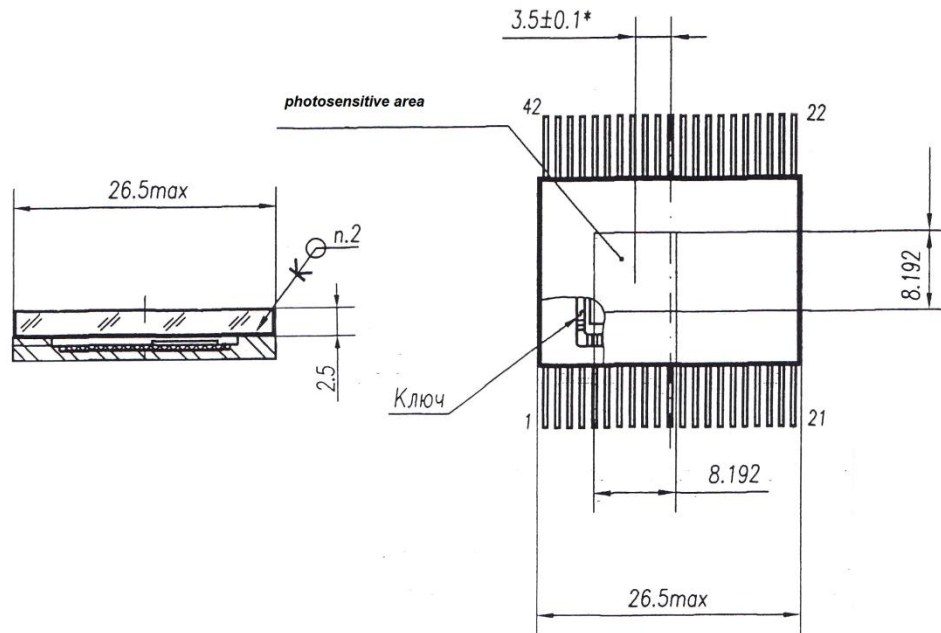
Design: the device has ceramic-metal package and can be fulfilled with thermoelectric cooling.



SPECIFICATIONS

Number of pixels	512×512
Photosensitive area size, mm	8.19×8.19
Pixel size, (HxV), μm	16×16
Dimensions, mm	26×20
Saturation voltage, V	≥1.0
Responsivity, V/lx·s	≥10
Spectral sensitivity ($\lambda=0.67\mu\text{m}$), $\text{V}\cdot\text{cm}^2/\mu\text{J}$	≥5
Relative sensitivity mean square nonuniformity across the area, %	≤3
Resistance to local overillumination, per unit	≥1000

SOCKET CONNECTIONS



SPECTRAL RESPONSE CHARACTERISTICS

