

Kodak

Kodak (Kodak) Singapore Pte. Ltd.

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Specifications

Linear KLI-5001

Summary Specification

Parameter	Value
Architecture	Dual Output Linear
Pixel Count	5000 x 1
Pixel Size	7 μm (H) x 7 μm (V)
Imager Size	35 μm (H) x 0.007 μm (V)
Saturation Signal	300,000 electrons
Dynamic Range	66 dB
Responsivity (wavelength = 550 nm)	3.5 V/ $\mu\text{J}/\text{cm}^2$
Output Sensitivity	3.7 $\mu\text{V}/\text{electron}$
Dark Current	0.01 pA/pixel
Dark Current Doubling Rate	9°C
Charge Transfer Efficiency	0.99999/Transfer
Photoresponse Non-uniformity	5% Peak-Peak
Lag (First Field)	0.4%
Maximum Data Rate	25 MHz (12.5 MHz/channel)

All parameters above are nominal values specified at T = 23°C (junction temperature) and 12.5 MHz clock rates.

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