

Data sheet

Part number: S2-0215
Description: 2L20UV_CP7_NW

Active area: 20 x 20 mm²
 Chip area: 24,0 x 24,0 mm²

Characteristics	Min.	Typ.	Max.	Unit
Position non-linearity		1	2	% (±)
Detector resistance	7	10	16	kΩ
Leakage current		200	2000	nA
Noise current		1,5	3,5	pA/√Hz
Responsivity		0,5		A/W
Capacitance		360	430	pF
Rise time (10%-90%)		1,6	3,0	μs
Bias voltage (reverse)	5	15	30	V
Thermal drift		40	200	ppm/°C

Maximum ratings

Reverse voltage			30	V
Operating temperature			70	°C
Storage temperature			100	°C

Test conditions: Room temperature 23 °C, bias voltage 15V, light source wavelength 940 nm. Position non-linearity and thermal drift are valid within 80 % of the detector length.

Package: 4-pin ceramic package, 37,0 x 37,0 mm², without window.