



**Part number:** **S2-0197**  
**Description:** **2L4YAG\_CP5**

Active area: 4,0 x 4,0 mm<sup>2</sup>  
 Chip area: 6,4 x 6,4 mm<sup>2</sup>

Characteristics	Min.	Typ.	Max.	Unit
Position non-linearity		0,3	0,8	% (±)
Detector resistance	7	10	16	kΩ
Leakage current		50	200	nA
Noise current		1,3	1,6	pA/√Hz
Responsivity		0,45		A/W
Capacitance		17	19	pF
Rise time (10%-90%)		300	500	ns
Bias voltage (reverse)	5	15	20	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 1064 nm. Position non-linearity and thermal drift are valid within 80 % of the detector length.

**Package:** 4-pin ceramic package, 15.2 mm diameter, with protective window.