


SiTek®
 ELECTRO OPTICS

Part number: S2-0513
Description: 2L2_MP8

Active area: 2,0 x 2,0 mm²
 Chip area: 4,0 x 4,0 mm²

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	2,5	pA/√Hz
Responsivity		0,58		A/W
Capacitance		7	8	pF
Rise time (10%-90%)		30	60	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 940 nm. Position non-linearity and thermal drift are valid within 80 % of the detector length.

Package: 12-pin TO-8 metal housing, 15,3 mm diameter, with protective sapphire window.