

Data sheet

1LC1-5-4_SU64_NW

Active area: 28 x 1 mm²
 Inner radius: 4 mm
 Outer radius: 5 mm
 Measurement angle: 257 °
 Chip area: 12,7 x 12,7 mm²

Characteristics	Min.	Typ.	Max.	Unit
Position non-linearity		0,05	0,15	% (±)
Detector resistance	100	150	200	kΩ
Leakage current		20	100	nA
Noise current		0,5	0,8	pA/√Hz
Responsivity		0,67		A/W
Capacitance		300	400	pF
Rise time (10%-90%)		10	16	μs
Bias voltage (reverse)			15	V
Thermal drift		20	100	ppm/°C

Maximum ratings

Reverse voltage	20	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: Ceramic package, 25,4 x 25,4 mm², without window.

S1-0008-D_A S1-0008 2003-02-04

