



Data sheet

Part number:

S1-0262

Description:

1L2,5UV_SU74_SPC01

Active area: 2,5 x 0,6 mm²

Chip area: 4,7 x 1,6 mm²

Characteristics	Min.	Typ.	Max.	Unit
Position non-linearity		1	2	% (±)
Bias voltage (reverse)		15		V
Leakage current of PSD		2	10	nA
Responsivity		50		V/mW
Transimpedance	9,99*10 ⁴	10,0*10 ⁴	10,01*10 ⁴	V/A
Sum and diff amplification	0,999	1	1,001	
Output voltage			±12	V
Output noise		3		mVp-p
Bandwidth of SPC		400		kHz
Slew rate	8	13		V/μs
Supply current		12	23	mA

Absolute maximum ratings

Power supply voltage	±18	V
Output short-circuit time	Continuous	
Operating temperature	70	°C
Storage temperature	100	°C

Test conditions: Room temperature 23 °C, Power supply voltage ±15V, Light source wavelength 940 nm. Position non-linearity are valid within 80 % of the detector length.

Package: 16-pin ceramic substrate, 20,5 x 20,5 mm², with protective window.

For further information about PSD specific parameters see specification for S1-0072 1L2,5UV_CP2.

Registration no.	Part no.	Written by:	Date.
S1-0262-D_A	S1-0262	Anders Lundgren	2006-03-24