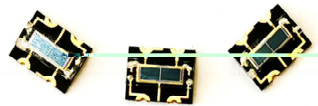
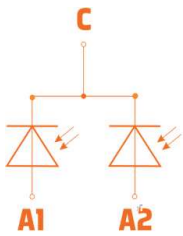


LIGHT

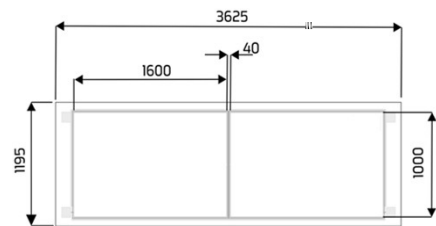


LT4540 is a dual-element Si photodiode which is moulded into a small plastic leadless optical package. Produced as one chip, the photodiodes offer a very good symmetry, low dark current and high sensitivity.

- Low dark current
 - High sensitivity
 - Small surface mounting type
-
- Position sensors
 - Differential light measurement
 - Auto focus



Photodiode	(2)1.6 × 1.0	mm
Peak wavelength	850	nm
Dark current@30 ,V _r =2V	1.0	nA



Unit:

Soldering temperature	T_{sol}	---	260	
Storage Temperature	T_{stg}	-30	90	
Operating Temperature	T_{opr}	-20	80	

A_{pd}	Active area	A1, A2 width height	---	1.60 1.00	---	mm
λ	Spectral response range	---	400	---	1100	nm
λ_{peak}	Peak sensitivity wavelength	---	---	850	---	nm
I_{sc}	Short circuit current	EV=1000 Lx ^{*1}	---	17	---	uA
S_{peak}	Peak sensitivity	---	---	0.55	---	A/W
I_d	Dark current	C1,C2 Vr=10V	---	---	20	nA
C_j	Junction capacitance	C1,C2 Vr=10V	---	20	---	pF
θ	Half angle	---	---	65	---	deg.

*1. Under tungsten lamp of color temp.=2856K

