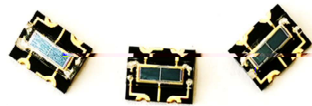
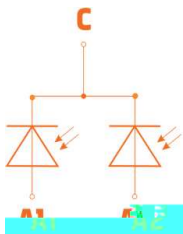
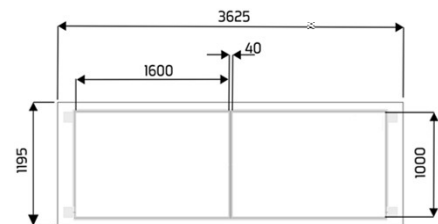


LT4540 is a dual-element Si photodiode which is moulded into a small plastic leadless optical package. Produced as one chip, the photodiodes offer a very good symmetry, low dark current and high sensitivity.

- 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 , Vr=2V	1.0	nA



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
$\lambda$	Spectral response range	---	400	---	1100	nm
$\lambda_{peak}$	Peak sensitivity wavelength	---	---	850	---	nm
$I_{sc}$	Short circuit current	EV=1000 Lx <sup>*1</sup>	---	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
$\theta$	Half angle	---	---	65	---	deg.

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

