



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Under development	
New product	●

PD101SC0SS

Photodiode

Photodiode for 12× Speed Writing CD-R/RW power monitor

Features

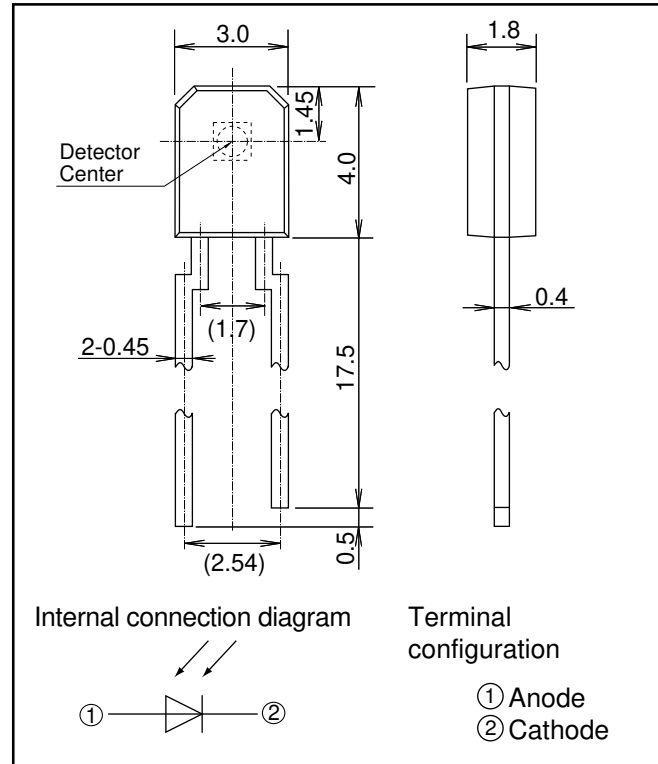
- (1) High speed response
(Response frequency TYP. 400 MHz)
CD-R/RW : 12× speed writing
- (2) High sensitivity (Sensitivity TYP. 0.55 A/W)
- (3) Compact and thin package
(Package dimensions: 4.0 × 3.0 × 1.8 mm)

Applications

- (1) CD-R drives
- (2) CD-RW drives

Outline Dimensions

(Unit:mm)



Specifications

(Ta=25°C)

Parameter	Symbol	MIN.	TYP.	MAX.	Unit	Condition
Short circuit current	Isc	360	450	–	nA	* Ev=100 lx
Dark current	Id	–	–	1.0	nA	VR=5 V, Ev=0
Sensitivity	S	0.4	0.55	0.63	A/W	λ= 780 nm
Terminal capacitance	Ct	–	3.5	–	pF	VR=5 V, f=1MHz
Peak sensitivity wavelength	λp	–	820	–	nm	–
Response frequency	fc	200	400	–	MHz	VR=5 V, RL=50Ω, –3 dB
Operating temperature	Topr	–25	–	85	°C	–

* Ev : Illuminance by CIE standard light source A (tungsten lamp)

As of June, 2001

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