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!

Contact us

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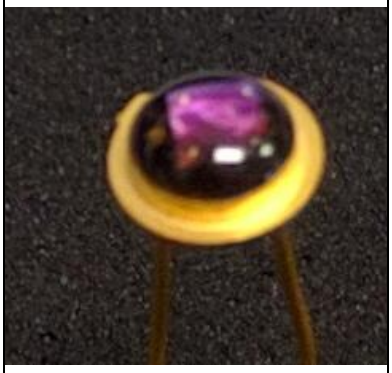
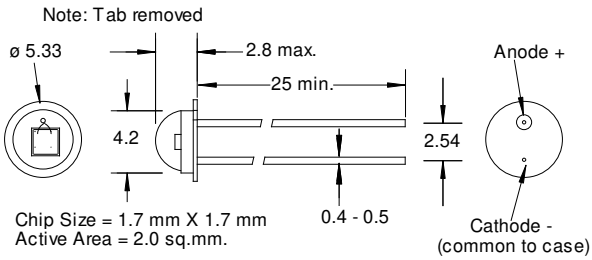
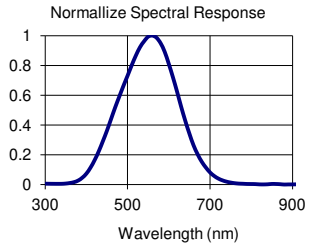
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





Dimensions in mm. Tolerance: +/-0.13



DESCRIPTION

The SLD-68-026 Silicon planar photodiode with added BG-18 filter is designed for visible light detection, TO-46 package with epoxy dome lens allow wide angle of detection. The photodiode is suitable for photopic sensing applications such as: color sensing, analytics, safety equipment and special sensors for automation. Low dark current and low capacitance make it the ideal detector for visible light detection applications.

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FEATURES

- Planar photodiode with BG-18 filter
- Low capacitance
- Fast switching time
- Low leakage current
- Linear response vs irradiance
- TO-46 base with epoxy dome lens

RELIABILITY

This API high-reliability detector is in principle able to meet military test requirements (Mil-STD-750, Mil-STD-883) after proper screening and group test.
Contact API for recommendations on specific test conditions and procedures.

APPLICATIONS

- Industrial sensing

ABSOLUTE MAXIMUM RATINGS

Operating Temperature	-20	to	+75	°C	non condensing
Storage Temperature	-20	to	+75	°C	
Soldering Temperature			+260	°C	>0.08” from case for <5 sec.

(1) Ee = Light source @ 2854 °K.
(2) Ee = light source @ λ = 560 nm

REV 11-10-15

Advanced Photonix Inc. 1240 Avenida Acaso, Camarillo CA 93012 • Phone (805) 987-0146 • Fax (805) 484-9935

OPTO-ELECTRICAL PARAMETERS

T_a = 23°C unless noted otherwise

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Short Circuit Current	V_R=0V, Ee=25mW/cm2 (1)	7.5	11.0		µA
Open Circuit Voltage	Ee=25mw/cm2 (1)				V
Reverse Dark Current	VR= 5V, Ee=0			100	nA
Maximum sensitivity wavelength	V_R= 0V		550		nm
Sensitivity spectral range	V_R= 0V	400		700	nm
Temp. Coef., I_{SC}	(1)		+0.2		%/°C
Junction capacitance	V_R=0, Ee=0, f=1MHz		40		pF
Rise Time	V_R= 10V, R_L = 1KΩ (2)		1.0		µs
Fall Time	V_R= 10V, R_L = 1KΩ (2)		1.5		µs
Reverse Breakdown Voltage	I_R=100µA		50		V
Acceptance Half Angle	(off center-line)		40		deg

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