

## GA202TXV2SZ

## OPIC Light Detector

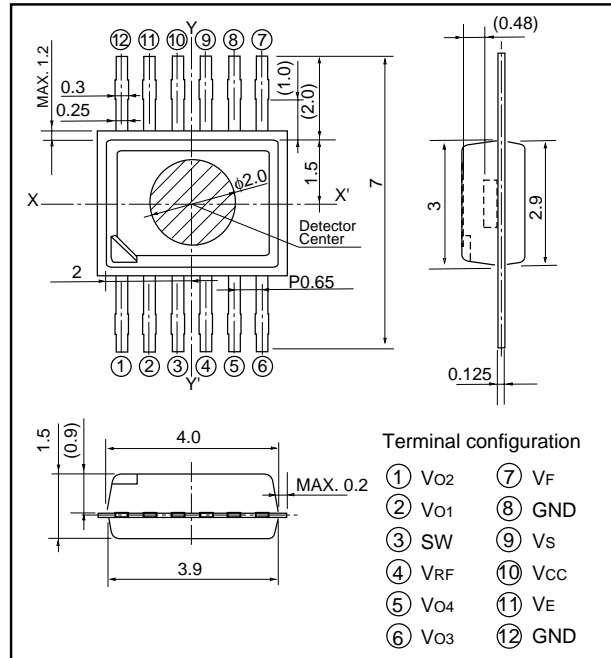
\* OPIC Light Detector for Dual-wavelength Laser Diode

### Features

- (1) Suitable for Dual-wavelength laser diode
- (2) Compact and thin package  
(Package dimensions : 4.0 × 2.9 × 1.5mm)
- (3) OPIC light detector  
(Integrates 10-division PIN photodiode.IC onto a single chip)  
DVD Player : 4× speed reading

### Outline Dimensions

(Unit:mm)



\* "OPIC" (Optical IC) is a trademark of SHARP Corporation.  
An OPIC consists of a light-detecting element and a signal-processing circuit integrated onto a single chip.

### Applications

- (1) DVD Player

### Specifications

(Ta=25°C)

Parameter	Symbol	Characteristics	Condition
Supply voltage	V <sub>CC</sub>	4.5 to 5.5 V	—
Output off-set voltage	V <sub>OD</sub>	± 25 mV	V <sub>O1</sub> ~V <sub>O4</sub> , V <sub>S</sub> base
Sensitivity	RP	TYP. 34.2 mV/μW	λ= 780 nm, V <sub>O1</sub> ~V <sub>O4</sub>
		TYP. 29.1 mV/μW	λ= 650 nm, V <sub>O1</sub> ~V <sub>O4</sub>
Response frequency	f <sub>c</sub>	MIN. 30 MHz	λ= 780 nm, V <sub>O1</sub> ~V <sub>O4</sub>
		MIN. 40 MHz	λ= 650 nm, V <sub>O1</sub> ~V <sub>O4</sub>
Maximum output amplitude	V <sub>OH</sub>	MIN. 3.8V	V <sub>O1</sub> ~V <sub>O4</sub>
Output noise level	V <sub>n</sub>	TYP. - 78 dBm	V <sub>O1</sub> ~V <sub>O4</sub> , f=27 MHz, BW=30 kHz
Operating temperature	T <sub>opr</sub>	- 30 to + 80°C	—

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(Internet)

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