

SANYO Semiconductors **DATA SHEET**

LA0224CS —

PN type Photo Diode

For Optical Disk Blue-purple Laser Diode monitors

Overview

LA0224CS is a photo diode for optical disk blue-purple laser diode monitors.

Functions

- The blue-purple sensitive PN type photo diode
- Photo diode opening size: 1.0mm□
- High sensitivity and light stability by the AR coating cover glass adoption.
- Small size and thin type CSP Package: ODCSP4, size: 1.22mm×1.38mm×0.6mm

Specifications

Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Reverse voltage	V _R		10	V
Operating temperature	Topr		-30 to +85	°C
Storage temperature	Tstg		-40 to +85	°C

Electrical and Optical Characteristics at Ta = 25°C, $V_{CC} = 5V$

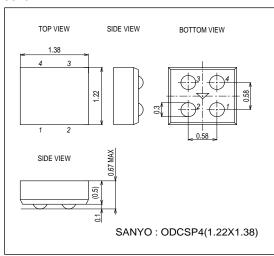
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	Unit
Dark current	ID	V _R = 10V		0.01	2	nA
Receiving sensitivity	GB	$\lambda = 405$ nm	0.22	0.28		A/W
	GD	$\lambda = 650$ nm	0.34	0.44		A/W
	GC	$\lambda = 780$ nm	0.33	0.43		A/W
Forward voltage	VF	I _F = 1mA	615	715	815	mV
Interterminal capacitance	С	V _R = 2.5V		65		pF

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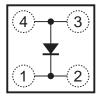
Package Dimensions

unit: mm (typ)

3345



Block Diagram

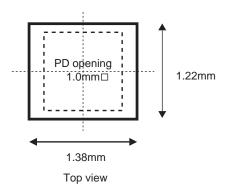


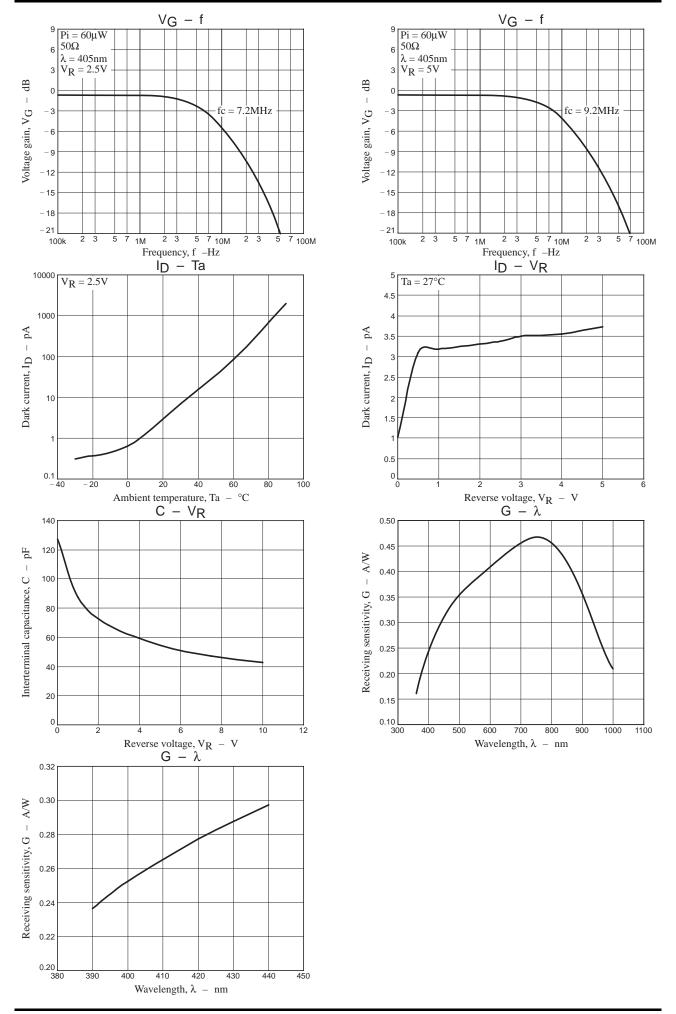
Top view

Pin No.	Pin name	Function		
1,2	cathode	cathode pin		
3,4	anode	anode pin		

Receiving Layout

Package center and photo diode opening center is same.





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