

KOM-5121

Features

- Designed for CD-R and CD-RW Applications
- Frequency Characteristics : MIN. 100MHz
- Gain Control can be Changed by External Resistor (100Ω ~500Ω)
- 6 pin Compact and Thin Package

Applications

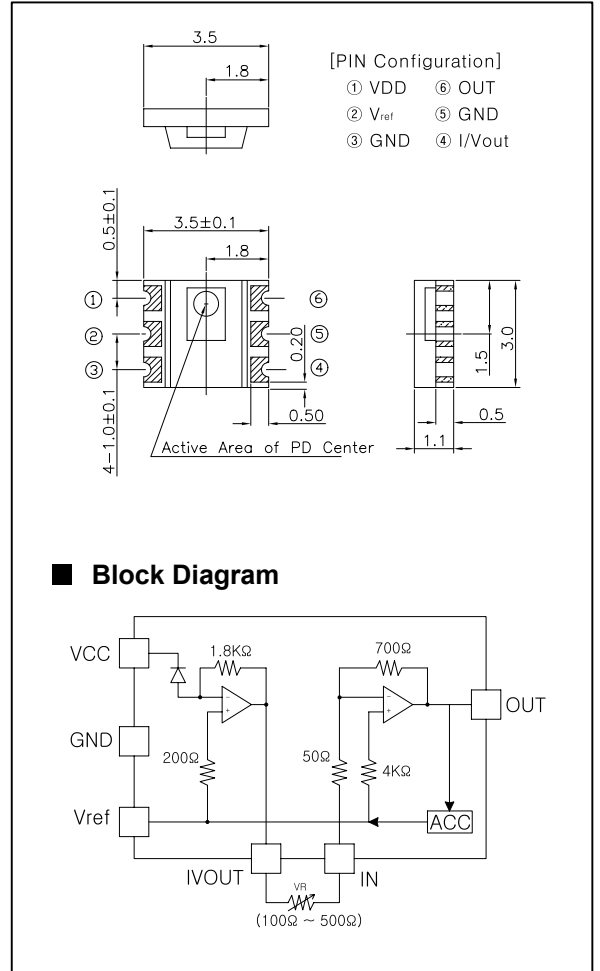
- CD-R / CD-RW Optical Pick-up
- DVD / CD-R / CD-RW Combo Pick-up

Absolute Maximum Ratings

Description	Symbol	Ratings	Unit
Power Supply Voltage	V _{cc}	7.0	
Power Dissipation	P _D	240	
Storage Temperature	T _{stg}	- 40 ~ + 100	

DIMENSIONS

(Unit : mm)



Electro-Optical Characteristics

[Ta = 25°C]

Parameter	Symbol	Characteristics	Condition
Supply Voltage	V _{cc}	4.5 ~ 5.5V	-
Output Offset Voltage	V _{OS}	±8mV	-
Cutoff Frequency	f _c	MIN 100 MHz	-3dB Point for 1Mhz Modulated Signal
Response Characteristics	Tr, Tf	Typ 3.5 ns	Time(rise time, fall time) for a 1Vp-p pulse
Automatic Calibration Power on Set up Time	T _{su}	Max 150 ms	During Power Up
Automatic Calibration Time	T _{acc}	Max 100 us	During Power Up
Operating Temperature Range	T _{opr}	-20 ~+75°C	-