

## **KOM-1021**

#### **Features**

- · Designed for CD-R and CD-RW Applications
- · Frequency Characteristics : MIN. 100MHz
- Gain Control can be Changed by External Resistor (100  $\Omega$  ~500  $\Omega$  )
- · Clear Mold Package of 6 pin available Function

#### **Applications**

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

### **Absolute Maximum Ratings**

Decsription	Symbol	Ratings	Unit
Power Supply Voltage	Vcc	7.0	
Power Dissipation	$P_D$	240	
Storage Temperature	$T_{stg}$	- 40 ~ + 85	

# **DIMENSIONS** (Unit:mm) =9 **8 =**0 [PIN Configuration] ① NC ② Vcc ® NC 9 OUT 3 V<sub>ref</sub> 8 IN 4 GND 7 I/V OUT 5 NC 6 NC Block Diagram 700Ω **-**₩— OUT GND Vref **IVOUT** (100Ω ~ ~ 500Ω)

### **Electro-Optical Characteristics**

[Ta = 25°C ]

Parameter	Symbol	Characteristics	Condition
Supply Voltage	Vcc	4.5 ~ 5.5V	-
Output Offset Voltage	V <sub>OS</sub>	±8mV	-
Cutoff Frequency	fc	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	Tsu	MAX 150 ms	During Power Up
Automatic Calibration Time	Tacc	MAX 100 us	During Power Up
Operating Temperature Range	Topr	0 ~+70℃	-