



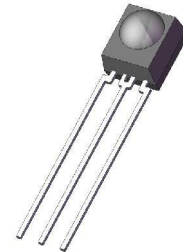
LIGHTING FOREVER

## Infrared Receiver Module

### IRM-36xxM3 Series

#### Features

- High protection ability against EMI
- Circular lens for improved reception characteristics
- Available for various carrier frequencies
- Min burst length: 8 cycles
- Min gap length: 12 cycles
- Low operating voltage and low power consumption
- High immunity against ambient light
- High immunity against TFT and PDP backlight
- Long reception range
- High sensitivity
- Pb free and RoHS compliant



1 2 3

#### Description

The IRM-36xxM3 devices are DIP type infrared receivers which have been developed and designed by using the latest IC technology.

The PIN diode and preamplifier are assembled onto a lead frame and molded into a black epoxy package which operates as an IR filter. The demodulated output signal can directly be decoded by a microprocessor.

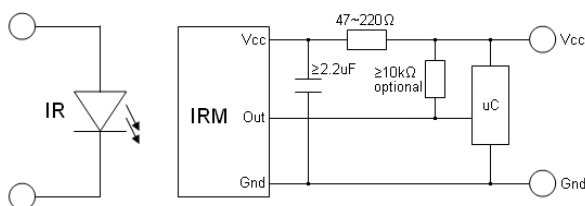
#### Pin Configuration

1. OUT
2. GND
3. V<sub>CC</sub>

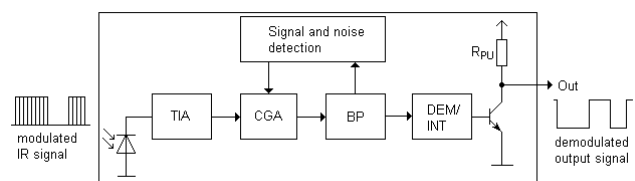
#### Applications

- AV equipment such as TV, VCR, DVD, CD, MD, etc.
- CATV set top boxes
- Multi-media Equipment
- Other devices using IR remote control

#### Application Circuit



#### Block Diagram



The RC Filter must be connected as close as possible to Vcc and GND pins.

# Infrared Receiver Module

## IRM-36xxM3 Series

### Parts Table

| Model No.  | Carrier Frequency |
|------------|-------------------|
| IRM-3636M3 | 36 kHz            |
| IRM-3638M3 | 38 kHz            |
| IRM-3656M3 | 56 kHz            |

### Package Dimensions

(Dimensions in mm)

