

IR LED Module

ARD2-2205

- Emits infrared light out of an LED
- Can be used for various remote control applications
- Best paired with the ARD2-2222 infrared receiver sensor

Description

This sensor uses an infrared LED to send infrared signals. It's perfect for DIY remote control projects. This sensor should only be used and stored in a low humidity environment.

Specifications

Current	30 – 60mA
Pulse Forward Current	0.3 – 1A
Reverse Voltage	5V
Power Dissipation	90mW
Operating Temperature	-25°C – +80°C
Storage Temperature	-40°C – +100°C
Soldering Temperature	260°C
Board Colour	Black
Material	PCB

Pinout

Module	Arduino	Function
Middle	5V	Power Supply
–	GND	Ground Connection

Test Code

```
# Include <IRremote.h>
IRsend irsend;
void setup ()
{
  Serial.begin (9600);
}
void loop () {
  for (int i = 0; i <50; i ++ ) {
    irsend.sendSony (0xa90, 12); // Sony TV power code
    delay (40);
  }
}
```

Note: This code requires an IR receiving device to work, e.g. TV or IR receiver module (ARD2-2222).

