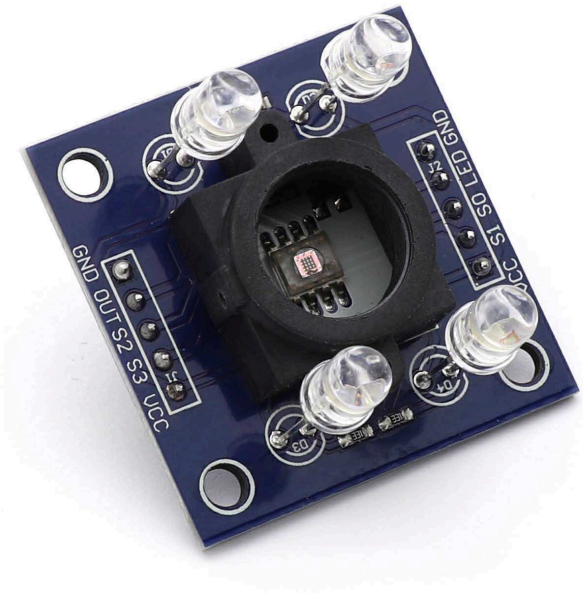
EN: This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

GY-31 COLOR Module



COLOR LIGHT-TO-FREQUENCY CONVERTER

FEATURES

High-Resolution Conversion of Light

Intensity to Frequency

Programmable Color and Full-Scale Output

Frequency

Communicates Directly With a Microcontroller

Single-Supply Operation (2.7 V to 5.5 V)

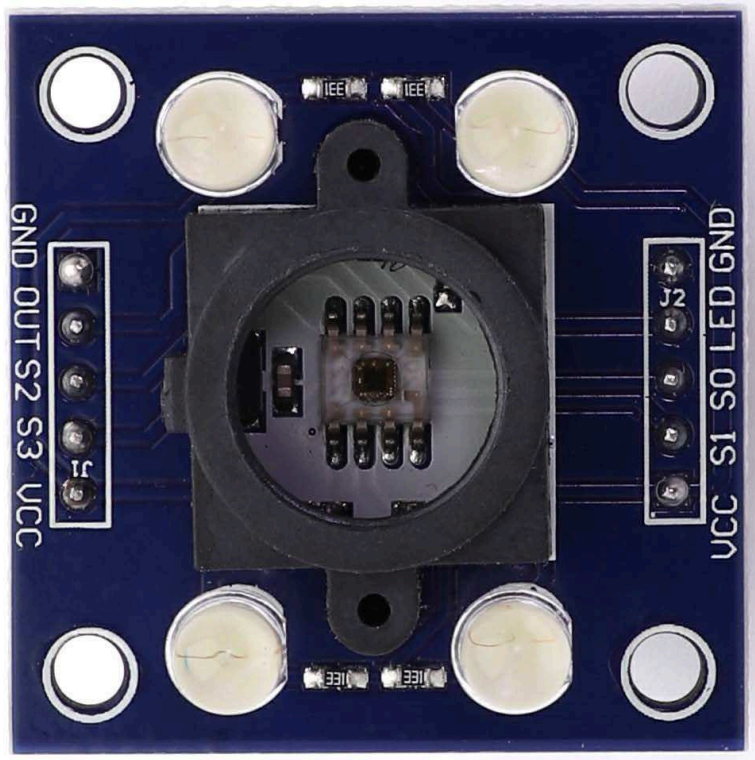
Power Down Feature

Nonlinearity Error Typically 0.2% at 50 kHz

Stable 200 ppm/°C Temperature Coefficient

Low-Profile Lead (Pb) Free and RoHS

Compliant Surface-Mount Package



Pin Function Descriptions

Pin	Pinname	Desscription
1	GND	Power supply ground.
2	OUT	Output frequency
3	S2	Photodiode type selection inputs.
4	S3	Photodiode type selection inputs.
5	VCC	Supply Voltage.2.7-5v
6	VCC	Supply Voltage.2.7-5v

7	S1	Output frequency scaling selection inputs.
8	S0	Output frequency scaling selection inputs.
9	LED	LED CONTROL 1：LED ON ，0：LED OFF
10	GND	Power supply ground.

Table：

name	Desscription
Operating Voltage Range	2.7~5 V
Supply Current	5V LED ON 25mA
interfaces	Output frequency
Operating Temperatu	-40° ~ 85°
Dimension	34mm×34mm×25mm